


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> 8-6-45 BTR			
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> ALTAMONT			
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>			
<b>6. NAME OF OPERATOR</b> BILL BARRETT CORP						<b>7. OPERATOR PHONE</b> 303 312-8164			
<b>8. ADDRESS OF OPERATOR</b> 1099 18th Street Ste 2300, Denver, CO, 80202						<b>9. OPERATOR E-MAIL</b> BHilgers@billbarrettcorp.com			
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> 1420H626296			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>			
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>			
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b> Uintah and Ouray			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>			
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
<b>LOCATION AT SURFACE</b>	1744 FNL 827 FEL		SENE	6	4.0 S	5.0 W	U		
<b>Top of Uppermost Producing Zone</b>	1744 FNL 827 FEL		SENE	6	4.0 S	5.0 W	U		
<b>At Total Depth</b>	1744 FNL 827 FEL		SENE	6	4.0 S	5.0 W	U		
<b>21. COUNTY</b> DUCESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 827			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640			
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1358			<b>26. PROPOSED DEPTH</b> MD: 4956 TVD: 4956			
<b>27. ELEVATION - GROUND LEVEL</b> 5858			<b>28. BOND NUMBER</b> LPM8874725			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Duchesne City Culinary Water Dock			

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	26	16	0 - 80	65.0	Unknown	8.8	Unknown	0	0.0	0.0
Surf	12.25	9.625	0 - 2500	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown	450	3.16	11.0
							Halliburton Premium , Type Unknown	210	1.36	14.8
Prod	8.75	5.5	0 - 4956	17.0	P-110 LT&C	9.7	Unknown	850	1.42	13.5
							No Used	0	0.0	0.0

ATTACHMENTS	
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>	
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP
<b>NAME</b> Venessa Langmacher	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b>	<b>PHONE</b> 303 312-8172
<b>API NUMBER ASSIGNED</b> 43013509000000	<b>DATE</b> 07/28/2011
	<b>EMAIL</b> vlangmacher@billbarrettcorp.com
<b>APPROVAL</b>  Permit Manager	

**BILL BARRETT CORPORATION**  
**DRILLING PLAN**

2/7/2011

**8-6-45 BTR Well Pad**

SE NE, 1744' FNL and 827' FEL, Section 6, T4S-R5W, USB&M  
Duchesne County, Utah

**1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<u>Formation</u>	<u>Depth – MD</u>
Green River	2,876'
*Mahogany	3,551'
TD	4,956'

\*PROSPECTIVE PAY

The Mahogany is a primary objective for oil/gas.

Base of Useable Water = 5,575'

**3. BOP and Pressure Containment Data**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 2,500'	No pressure control required
2,500' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

**4. Casing Program**

**A) Planned Program**

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	surface	2,500'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	surface	TD	5 1/2"	17#	P-110	LT&C	New

Bill Barrett Corporation  
Drilling Program  
#8-6-45 BTR  
Duchesne County, Utah

##### 5. **Cementing Program**

16" Conductor Casing	Grout
9 5/8" Surface Casing	Approximately 450 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft <sup>3</sup> /sx) circulated to surface with 75% excess. Approximately 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft <sup>3</sup> /sx), calculated hole volume with 75% excess.
5 1/2" Production Casing	Plan to run 5-1/2" swell packers from 3,500' to TD. DVT/ECP @ 3,400' and cement with approximately 850 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft <sup>3</sup> /sk) Estimated TOC 2,300'

##### 6. **Mud Program**

<b><u>Interval</u></b>	<b><u>Weight</u></b>	<b><u>Viscosity</u></b>	<b><u>Fluid Loss (API filtrate)</u></b>	<b><u>Remarks</u></b>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 2,500'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
2,500' – TD	8.6 – 9.6	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

##### 7. **Testing, Logging and Core Programs**

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

##### 8. **Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 2500 psi\* and maximum anticipated surface pressure equals approximately 1410 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A – (0.22 x TD)

Bill Barrett Corporation  
Drilling Program  
#8-6-45 BTR  
Duchesne County, Utah

9. **Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use  
Mud monitoring will be visually observed

10. **Location and Type of Water Supply**

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

11. **Drilling Schedule**

Location Construction:	March 2012
Spud:	March 2012
Duration:	15 days drilling time
	45 days completion time



## **PRESSURE CONTROL EQUIPMENT – Schematic Attached**

**A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer.** The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes with one (1) remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Pressure gauge on choke manifold.
13. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 5,000 psi

### **C. Testing Procedure:**

#### Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

#### Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

**D. Choke Manifold Equipment:**

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

**E. Accumulator:**

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

**F. Miscellaneous Information:**

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

NE Cor.  
Sec. 36,  
Alum. Cap

*T4S, R5W, U.S.B.&M.*

BILL BARRETT CORPORATION

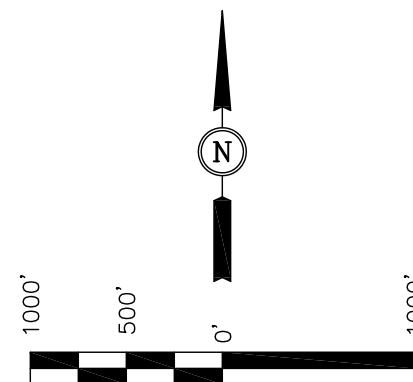
Well location, #8-6-45 BTR, located as shown in the SE 1/4 NE 1/4 of Section 6, T4S, R5W, U.S.B.&M., Duchesne County, Utah.

## BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6097 FEET.

## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



# CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.


REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REVISÉD: 02-22-11

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-24-11	DATE DRAWN: 02-21-11
PARTY T.A. C.W. S.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BILL BARRETT CORPORATION	

N 89° 21' 13" W  
2639.35'  
(Meas.)



N 1/4 Cor. Sec. 1  
1993 Brass Cap,  
0.3 Above 1.0'  
High, Pile of  
Stones, Steel  
Post, 2x2  
Wooden Post  
(Meas.)

00°37'21"E  
5306.27'  
(Meas.)

N89°21'13"W  
2639.35'  
(Meas.)

*Section Corner  
Re-Established  
Using Double  
Proportion Method*

Lot 4

Lot 3

Lot 2

Lot 1

Lot 5

1993 Alum.  
Cap 0.6' High,  
Pile of Stones

$R$	$R$
$6$	$5$
$W$	$W$

Lot 6

$N00^{\circ}47'43''E$   
 $2645.72'$  (Meas)

Lot 7

1993 Alum. Cap  
1.0' High, Pile of  
Stones

$S89^{\circ}58'24''W - 2654.01'$  (Meas.)       $S89^{\circ}19'51''W - 2536.72'$  (Meas.)

1993 Alum. Cap  
0.2' High

(NAD 83)

LATITUDE = 40°09'52.27" (40.164519)  
LONGITUDE = 110°29'11.34" (110.486483)

(NAD 27)  
LATITUDE = 40°09'52.42" (40.164561)  
LONGITUDE = 110°29'08.78" (110.485772)

LEGEND:

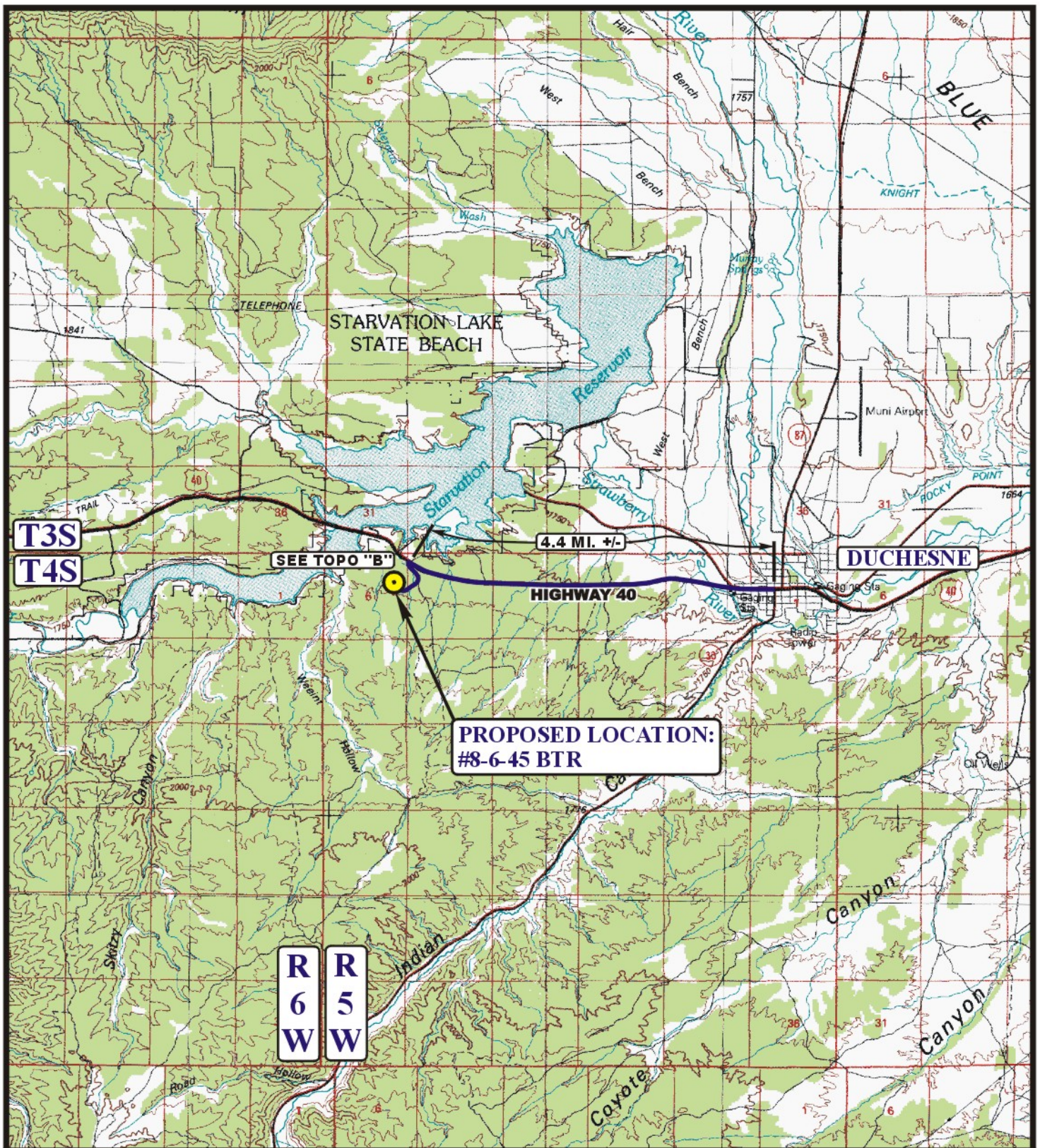
L = 90° SYMBOL

☉ = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

**Δ** = SECTION CORNERS  
RE-ESTABLISHED.  
(Not Set on Ground)





**LEGEND:**

● PROPOSED LOCATION

**BILL BARRETT CORPORATION**

**#8-6-45 BTR**

**SECTION 6, T4S, R5W, U.S.B.&M.**

**1744' FNL 827' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**ACCESS ROAD  
MAP**

**01 25 11**  
 MONTH DAY YEAR

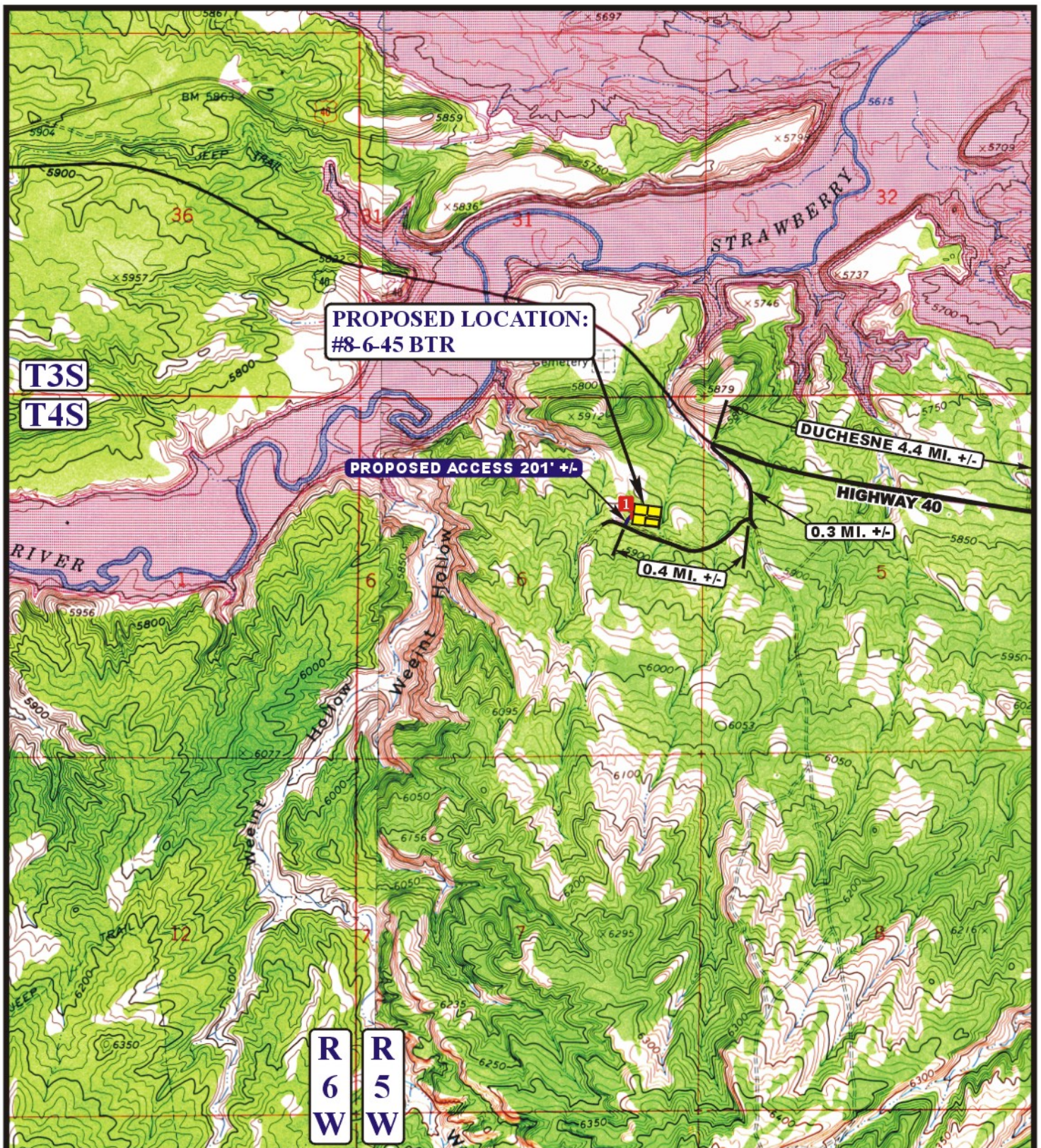
SCALE: 1:100,000

DRAWN BY: J.J.

REVISED: 02-22-11







**LEGEND:**

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD
- 1 18" CMP REQUIRED



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
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**BILL BARRETT CORPORATION**

**#8-6-45 BTR**  
**SECTION 6, T4S, R5W, U.S.B.&M.**  
**1744' FNL 827' FEL**

**ACCESS ROAD**  
**MAP**

**01 25 11**  
MONTH DAY YEAR

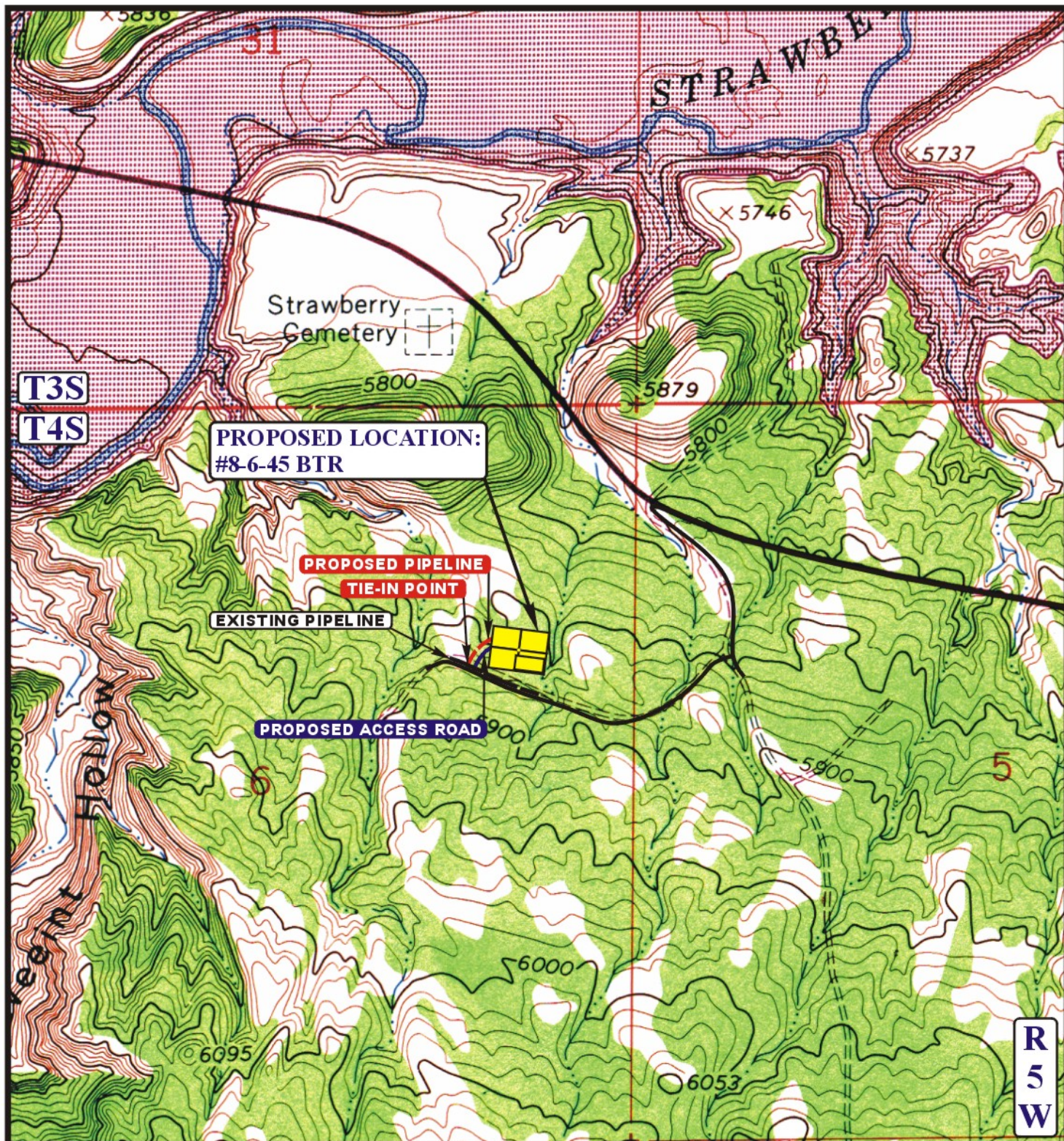
SCALE: 1" = 2000'

DRAWN BY: J.J.

REVISED: 06-22-11

**B**  
**TOPO**





**APPROXIMATE TOTAL PIPELINE DISTANCE = 231' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE



**BILL BARRETT CORPORATION**

**#8-6-45 BTR**

**SECTION 6, T4S, R5W, U.S.B.&M.**

**1744' FNL 827' FEL**



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**TOPOGRAPHIC**  
**MAP**

**01 25 11**  
 MONTH DAY YEAR

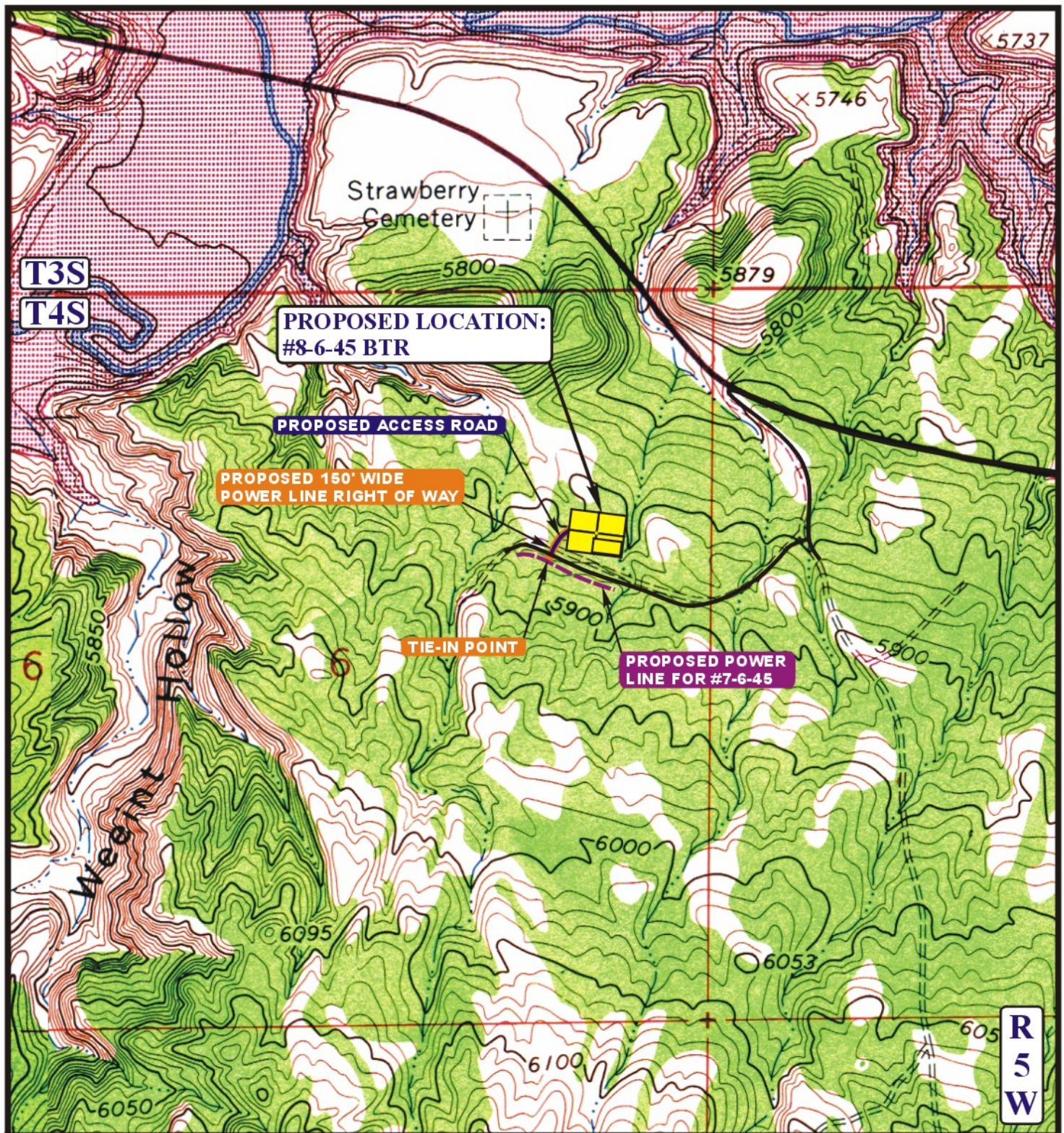
SCALE: 1" = 1000'

DRAWN BY: J.J.

REVISED: 02-22-11







**APPROXIMATE TOTAL POWER LINE DISTANCE = 232' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING POWER LINE
- PROPOSED POWER LINE
- EXISTING STAKED POWER LINE



**BILL BARRETT CORPORATION**

**#8-6-45 BTR**  
**SECTION 6, T4S, R5W, U.S.B.&M.**  
**1744' FNL 827' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**01 25 11**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: J.J. REVISED: 02-22-11

**D**  
**TOPO**



**SURFACE USE PLAN**

BILL BARRETT CORPORATION

**8-6-45 BTR Well Pad**

SE NE, 1744' FNL and 827' FEL, Section 6, T4S-R5W, USB&M  
Duchesne County, Utah

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The onsite inspection for this pad occurred on June 10, 2011. Site specific conditions or changes as a result of that onsite are indicated below. Plat changes requested at the onsite are reflected within this APD.

- a) Interim Reclamation will be maximized by placing the tank battery on cut as the access road enters the pad area. See attached Interim Reclamation Plat.

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:

- a. The proposed well site is located approximately 5.1 miles west of Duchesne, Utah. Maps and directions reflecting the route to the proposed well site are included (see Topographic maps A and B).
- b. The existing State Highway 40 would be utilized for 4.4 miles to the existing BBC maintained 6-7-45 BTR well site access road that would be utilized for 0.7 miles and provides access to the planned new access road.
- c. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a motor grader and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- d. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions. Travel would be limited to the existing access roads and proposed access road.
- e. The use of roads under State and Duchesne County Road Department maintenance are necessary to access the project area with no improvements proposed. No encroachment or pipeline crossing permit are required
- f. All existing roads would be maintained and kept in good repair during all phases of operation.

Bill Barrett Corporation  
Surface Use Plan  
#8-6-45 BTR  
Duchesne County, UT

2. Planned Access Road:

- a. Approximately 201 feet of new access road trending north is planned from the existing 6-7-45 BTR access road (see Topographic Map B).
- b. The planned access road would be constructed to a 30-foot ROW width with an 18-foot travel surface. See section 12.d. below for disturbance estimates.
- c. New road construction and improvements of existing roads would typically require the use of motor graders, crawler tractors, 10-yard end dump trucks, and water trucks. The standard methodology for building new roads involves the use of a crawler tractor or track hoe to windrow the vegetation to one side of the road corridor, remove topsoil to the opposing side of the corridor, and rough-in the roadway. This is followed by a grader or bulldozer to establish barrow ditches and crown the road surface. Where culverts are required, a track hoe or backhoe would trench the road and install the culverts. Some hand labor would be required when installing and armoring culverts. Road base or gravel in some instances would be necessary and would be hauled in and a grader used to smooth the running surface.
- d. The proposed road would be constructed to facilitate drainage, control erosion and minimize visual impacts by following natural contours where practical. No unnecessary side-casting of material would occur on steep slopes.
- e. A maximum grade of 10% would be maintained throughout the project with minimum cuts and fills, as necessary, to access the well.
- f. Excess rock from construction of the pad may be used for surfacing of the access road if necessary. Any additional aggregate necessary would be obtained from private or State of Utah lands in conformance with applicable regulations. Aggregate would be of sufficient size, type, and amount to allow all weather access and alleviate dust.
- g. Where topsoil removal is necessary, it would be windrowed (i.e. stockpiled/accumulated along the edge of the ROW and in a low row/pile parallel with the ROW) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the disturbed area would also be re-spread to provide protection, nutrient recycling, and a seed source for reclamation.
- h. Turnouts are not proposed.
- i. No culverts and no low-water crossings are anticipated. Adequate drainage structures, where necessary, would be incorporated into the remainder of the road to prevent soil erosion and accommodate all-weather traffic.
- j. No gates or cattle guards are anticipated at this time.

Bill Barrett Corporation  
Surface Use Plan  
#8-6-45 BTR  
Duchesne County, UT

- k. Surface disturbance and vehicular travel would be limited to the approved location access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
  - l. All access roads and surface disturbing activities would conform to the appropriate standard, **no higher than necessary**, to accommodate their intended function adequately as outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition – Revised 2007.
  - m. The operator would be responsible for all maintenance needs of the new access road.
3. Location of Existing Wells (see One-Mile Radius Map):
- a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:
    - i. water wells none
    - ii. injection wells none
    - iii. disposal wells none
    - iv. drilling wells none
    - v. temp shut-in wells none
    - vi. producing wells four
    - vii. abandoned wells one
4. Location of Production Facilities
- a. Surface facilities would consist of a wellhead, separator, gas meter, (1) 500 gal methanol tank, (1) 500 glycol tank, (3) 500 bbl oil tanks, (1) 500 bbl water tank, (1) 500 bbl test tank, (1) 1000 gal propane tank, a pumping unit or Roto-flex unit or gas lift unit with a natural gas fired motor, solar panels, solar chemical and methanol pumps and one trace pump. See attached proposed facility diagram.
  - b. Most wells would be fitted with a pump jack or Roto-flex unit or gas lift to assist liquid production if liquid volumes and/or low formation pressures require it. Plunger lift systems do not require any outside source of energy. The prime mover for pump jacks or Roto-flex units would be small (75 horsepower or less), natural gas-fired internal combustion engines. If a gas lift is installed, it would be set on a 10 ft x 15 ft pad and the prime mover would be a natural gas-fired internal combustion engine rated at 200 horsepower or less or an electric compressor of similar horsepower powered by a generator.
  - c. The tank battery would be surrounded by a secondary containment berm of sufficient capacity to contain 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the tank battery or would utilize catchment basins to contain spills. All liquid hydrocarbon production and

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Surface Use Plan  
#8-6-45 BTR  
Duchesne County, UT

measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil.

- d. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- e. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 27 ft tall. Combustor placement would be on existing disturbance.
- f. Approximately 231 feet of pipeline corridor (see Topographic Map C) containing up to three lines (one gas pipeline up to 8 inch in diameter, one water line up to 4 inch in diameter and one residue line up to 4 inch in diameter) is proposed trending south to the existing 6-7-45 BTR pipeline corridor. The pipeline crosses entirely Ute Tribe surface.
- g. The new segment of gas pipeline would be surface laid within a 30 foot wide pipeline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.
- h. Construction of the ROW would temporarily utilize the 30 foot disturbed width for the road for a total disturbed width of 60 foot for the road and pipeline corridors. The use of the proposed well site and access roads would facilitate the staging of the pipeline construction.
- i. Pipeline construction methods and practices would be planned and conducted by BBC with the objective of enhancing reclamation and fostering the re-establishment of the native plant community.
- j. All permanent above-ground structures would be painted a flat, non-reflective color, such as Beetle Green, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- k. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any modifications to proposed facilities would be reflected in the site security diagram submitted.
- l. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

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 #8-6-45 BTR  
 Duchesne County, UT

5. Location and Type of Water Supply:

- a. Water for the drilling and completion would be trucked from any of the following locations:

<b>Water Right No. and Application or Change No.</b>	<b>Applicant</b>	<b>Allocation</b>	<b>Date</b>	<b>Point of Diversion</b>	<b>Source</b>
43-180	Duchesne City Water Service District	5 cfs	8/13/2004	Knight Diversion Dam	Duchesne River
43-1202, Change a13837	Myton City	5.49 cfr and 3967 acre feet	3/21/1986	Knight Diversion Dam	Duchesne River
43-10444, Appln A57477	Duchesne County Upper Country Water	2 cfs	1994	Ditch at Source	Cow Canyon Spring
43-10446, Appln F57432	Duchesne County Upper Country Water	1.58 cfs	1994	Ditch at Source	Cow Canyon Spring
43-1273, Appln A17462	J.J.N.P. Company	7 cfs	1946	Strawberry River	Strawberry River
43-1273, Appln t36590	J.J.N.P. Company	4 cfs	6/03/2010	Strawberry River	Strawberry River

- b. No new water well is proposed with this application.
- c. Should additional water sources be pursued they would be properly permitted through the State of Utah – Division of Water Rights.
- d. Water use would vary in accordance with the formations to be drilled but would be up to approximately 5.41 acre feet for drilling and completion operations.

6. Source of Construction Material:

- a. The use of materials would conform to 43 CFR 3610.2-3.
- b. No construction materials would be removed from the lease or EDA area.
- c. If any additional gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.

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 Surface Use Plan  
 #8-6-45 BTR  
 Duchesne County, UT

- b. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- c. The reserve would be lined with 12 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the reserve pit at all times.
- d. To deter livestock from entering the pit, the three sides exterior to the location would be fenced before drilling starts. Following the conclusion of drilling and completion activities, the fourth side would also be fenced.
- e. Drill cuttings would be contained in the pit and buried on-site for a period not to exceed six months, weather permitting
- f. Produced fluids from the well other than water would be decanted into steel test tank(s) until such time as construction of production facilities is completed. Any oil that may be accumulated would be transferred to a permanent production tank. Produced water may be used in further drilling and completion activities, evaporated in the pit, or would be hauled to one of the state-approved disposal facilities below:

<b>Disposal Facilities</b>
1. RNI Industries, Inc. – Pleasant Valley Disposal Pits, Sec. 25, 26, 35 & 36, T4S-R3W
2. Pro Water LLC – Blue Bench 13-1 Disposal Well (43-013-30971) NENE, Sec. 13, T3S-R5W
3. RN Industries, Inc. – Bluebell Disposal Ponds, Sec. 2, 4 & 9, T2S-R2W
4. Water Disposal, Inc. – Harmston 1-32-A1 Disposal Well (43-013-30224), UTR #00707, Sec. 32, T1S-R1W
5. Unified Water Pits – Sec. 31, T2S-R4W
6. Iowa Tank Line Pits – 8500 BLM Fence Road, Pleasant Valley

- g. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- h. Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
- i. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica),

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Surface Use Plan  
#8-6-45 BTR  
Duchesne County, UT

hydrochloric acid, and CO<sub>2</sub> gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.

- j. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.
  - k. Sanitary waste equipment and trash bins would be removed from the Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
  - l. A flare pit may be constructed a minimum of 110 feet from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the Project Area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is feasible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.
  - m. Hydrocarbons would be removed from the reserve pit would as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.
8. Ancillary Facilities:
- a. Garbage containers and portable toilets would be located on the well pad.

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Surface Use Plan  
#8-6-45 BTR  
Duchesne County, UT

- b. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. The well pad could include up to five single wide mobile homes or fifth wheel campers/trailers.
- c. A surface powerline corridor 232 feet in length is proposed for installation by third-party installer within a 150 foot wide powerline corridor adjacent to the proposed access road. See 12.d below for disturbance estimates.

9. Well Site Layout:

- a. The well would be properly identified in accordance with 43 CFR 3162.6.
- b. The pad layout, cross section diagrams and rig layout are enclosed (see Figures 1 and 2).
- c. The pad and road designs are consistent with industry specifications.
- d. The pad has been staked at its maximum size of 400 feet x 300 feet with an inboard reserve pit size of 205 feet x 100 feet x 8 feet deep. See section 12.d below for disturbance estimates.
- e. Within the approved well pad location, a crawler tractor would strip whatever topsoil is present and stockpile it along the edge of the well pad for use during reclamation. Vegetation would be distributed along the sides of the well pad.
- f. Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- g. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- h. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- i. Diversion ditches would be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.
- j. Water application may be implemented if necessary to minimize the amount of fugitive dust.



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Surface Use Plan  
#8-6-45 BTR  
Duchesne County, UT

- k. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

10. Plan for Restoration of the Surface:

- a. A site specific reclamation plan would be submitted, if requested, within 90 days of location construction to the surface managing agency.
- b. Site reclamation would be accomplished for portions of the well pad not required for the continued operation of the well on this pad within six months of completion, weather permitting.
- c. The operator would control noxious weeds along access road use authorizations and well site by spraying or mechanical removal, according to the Utah Noxious Weed Act and as set forth in the approved surface damage agreements.
- d. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. The reserve pit would be allowed to dry prior to the commencement of backfilling work. No attempts would be made to backfill the reserve pit until it is free of standing water. Once dry, the liner would be torn and perforated before backfilling.
- e. The reserve pit and that portion of the location not needed for production facilities/operations would be recontoured to the approximate natural contours. Areas not used for production purposes would be backfilled and blended into the surrounding terrain, reseeded and erosion control measures installed. Mulching, erosion control measures and fertilization may be required to achieve acceptable stabilization. Back slopes and fore slopes would be reduced as practical and scarified with the contour. The reserved topsoil would be evenly distributed over the slopes and scarified along the contour. Slopes would be seeded with the Ute Tribe specified seed mix.
- f. Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the Ute Tribe prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.

11. Surface and Mineral Ownership:

- a. Surface ownership – Ute Indian Tribe - 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.
- b. Mineral ownership – Ute Indian Tribe - 988 South 7500 East; Ft. Duchesne, Utah 84026; 435-725-4982.

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 Surface Use Plan  
 #8-6-45 BTR  
 Duchesne County, UT

12. Other Information:

- a. Montgomery Archeological Consultants has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Montgomery as report 11-002 dated 5-2-2011.
- b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- c. Project personnel and contractors would be educated on and subject to the following requirements:
  - No dogs or firearms within the Project Area.
  - No littering within the Project Area.
  - Smoking within the Project Area would only be allowed in off-operator active locations or in specifically designated smoking areas. All cigarette butts would be placed in appropriate containers and not thrown on the ground or out windows of vehicles; personnel and contractors would abide by all fire restriction orders.
  - Campfires or uncontained fires of any kind would be prohibited.
  - Portable generators used in the Project Area would have spark arrestors.
- d. Disturbance estimates:

**Approximate Acreage Disturbances**

Well Pad		3.616	acres
Access	*		
Pipeline	*		
Powerline	232 feet	0.797	acres
<b>Total</b>		<b>4.410</b>	<b>acres</b>

\*The Access and Pipeline disturbance is included within the Powerline

Bill Barrett Corporation  
Surface Use Plan  
#8-6-45 BTR  
Duchesne County, UT

OPERATOR CERTIFICATION

Certification:

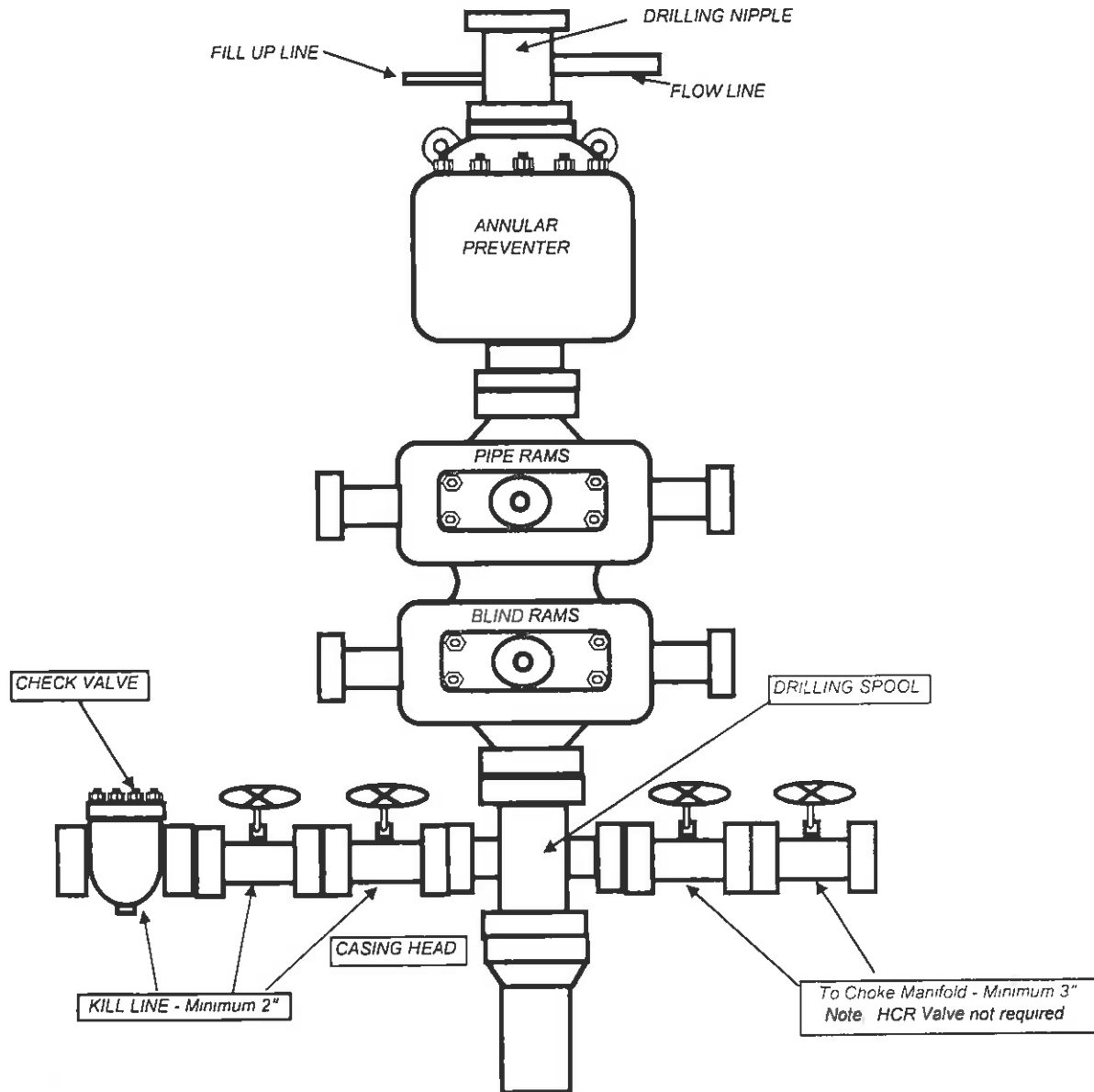
I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under Bill Barrett Corporations federal nationwide bond. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this 28<sup>th</sup> day of July 2011  
Name: Venessa Langmacher  
Position Title: Senior Permit Analyst  
Address: 1099 18<sup>th</sup> Street, Suite 2300, Denver, CO 80202  
Telephone: 303-312-8172  
E-mail: vlangmacher@billbarrettcorp.com  
Field Representative Kary Eldredge / Bill Barrett Corporation  
Address: 1820 W. Highway 40, Roosevelt, UT 84066  
Telephone: 435-725-3515 (office); 435-724-6789 (mobile)  
E-mail: keldredge@billbarrettcorp.com

Venessa Langmacher  
Venessa Langmacher, Senior Permit Analyst

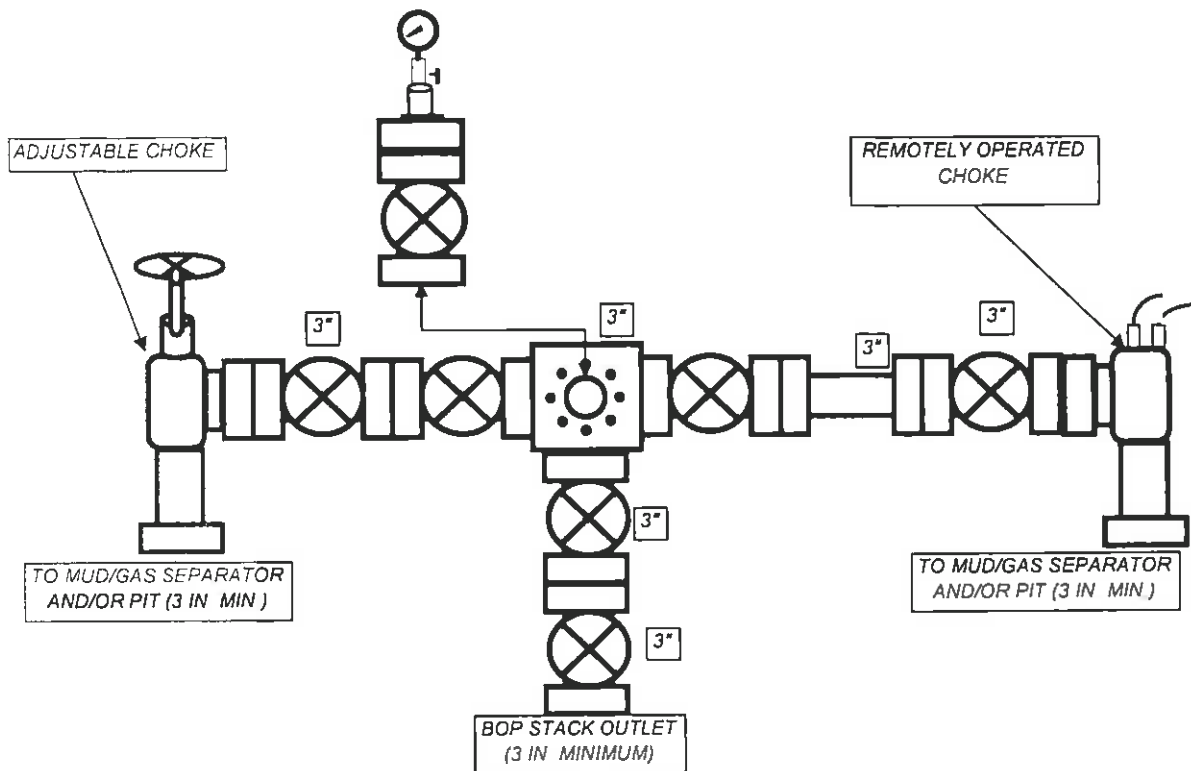
## BILL BARRETT CORPORATION

### TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



# BILL BARRETT CORPORATION

## TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





**Bill Barrett Corporation**

July 28, 2011

Ms. Diana Mason – Petroleum Technician  
**STATE OF UTAH DIVISION OF OIL, GAS AND MINING**  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: **Exception Location - #8-6-45 BTR – Blacktail Ridge Area**  
Surface Location: 1,744' FNL, 827' FEL, SENE, Section 6-T4S-R5W  
Bottom Location: 1,744' FNL, 827' FEL, SENE, Section 6-T4S-R5W  
Duchesne County, Utah

Dear Ms. Mason,

Bill Barrett Corporation ("BBC") hereby submits an exception location letter in accordance with Oil & Gas Conservation Rules R649-3-3, requesting an exception well location, supported by the following information:

- The location is within our Blacktail Ridge Area.
- The exception location is due to topography requirements and to minimize surface disturbance.
- BBC certifies that it is the working interest owner along with Ute Energy, LLC (who also consent to this exception location request), and together we own 100% of the working interest within 460 feet of the proposed well location.
- Our rights are owned under an Exploration and Development Agreement with the Ute Indian Tribe and Ute Distribution Corporation which provides for the drilling of exploratory wells. This agreement provides that we consult with these owners regarding the drilling of this well.
- BBC will be drilling the 5-16D-45 BTR well and will earn a BIA Tribal Lease covering 640.00 acres in Section 16, Township 4 South, Range 5 West.

Based on the information provided, BBC requests the Division grant this exception to the locating and siting requirements of R649-3-2. Should you have any questions or need further information, please contact me at 303-312-8544.

Sincerely,

David Watts  
Landman

1099 18<sup>TH</sup> STREET  
SUITE 2300  
DENVER, CO 80202  
P 303.293.9100  
F 303.291.0420

## BILL BARRETT CORPORATION

## LOCATION LAYOUT FOR

#8-6-45 BTR

SECTION 6, T4S, R5W, U.S.B.&amp;M.

1744' FNL 827' FEL

FIGURE #1

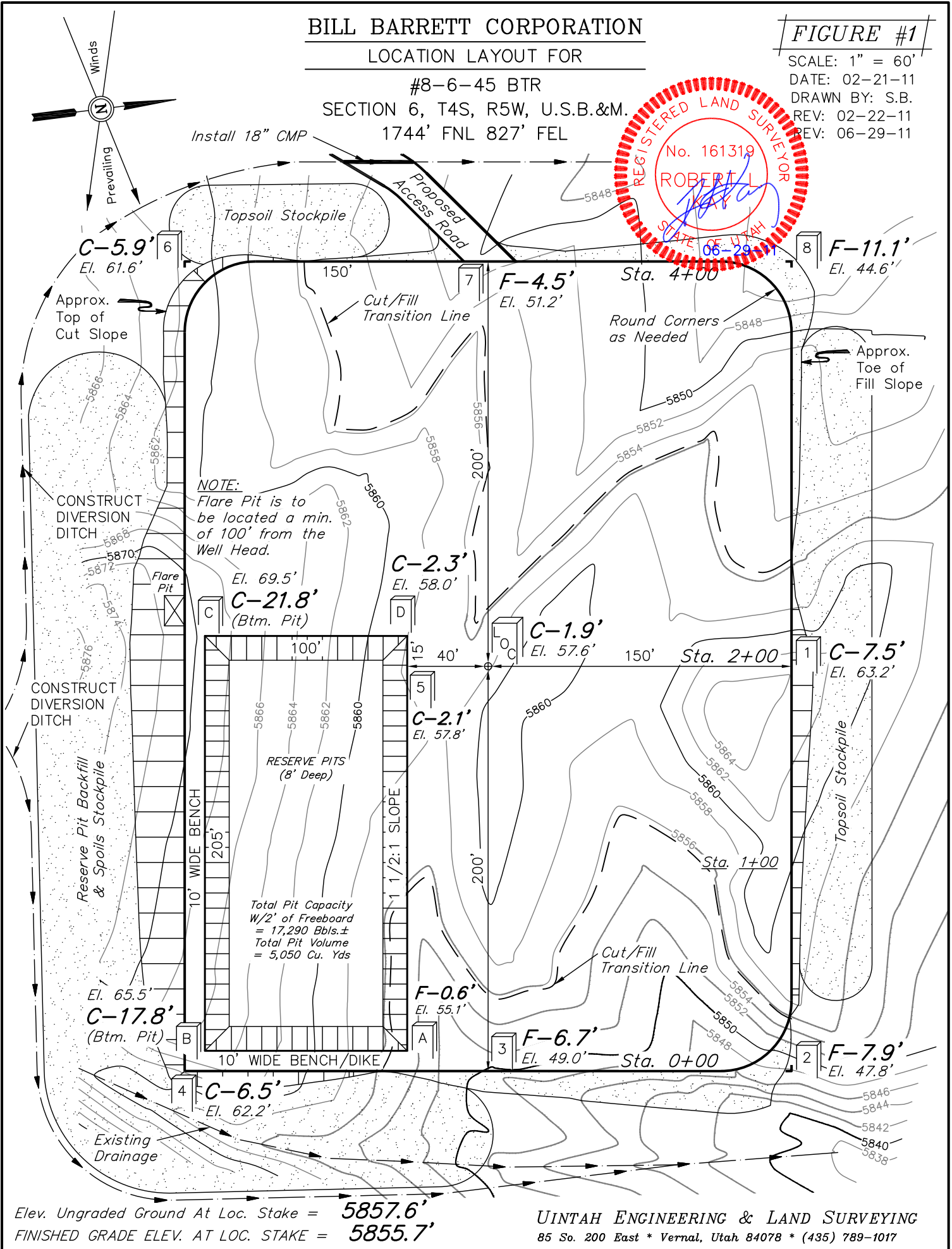
SCALE: 1" = 60'

DATE: 02-21-11

DRAWN BY: S.B.

REV: 02-22-11

REV: 06-29-11



UINTAH ENGINEERING &amp; LAND SURVEYING

85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**BILL BARRETT CORPORATION****TYPICAL CROSS SECTION FOR**

#8-6-45 BTR

SECTION 6, T4S, R5W, U.S.B.&amp;M.

1744' FNL 827' FEL

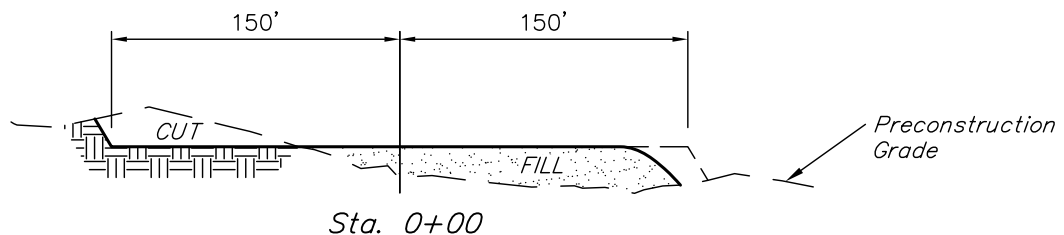
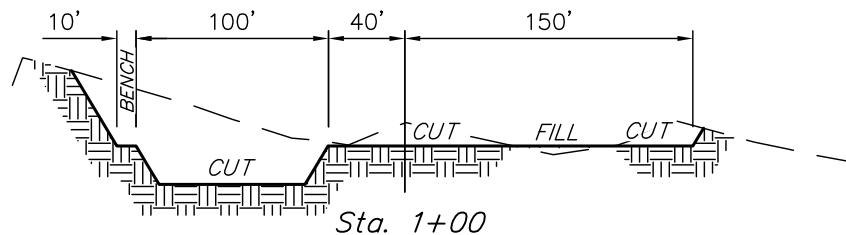
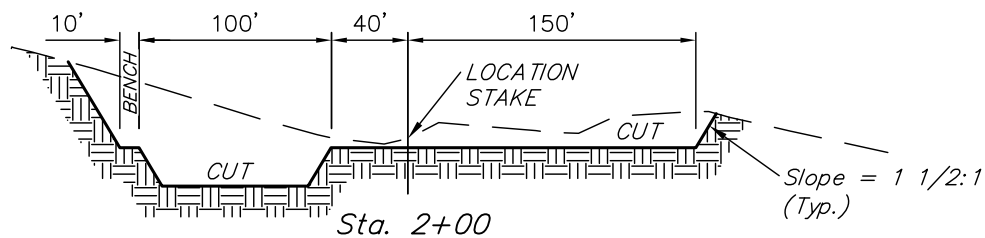
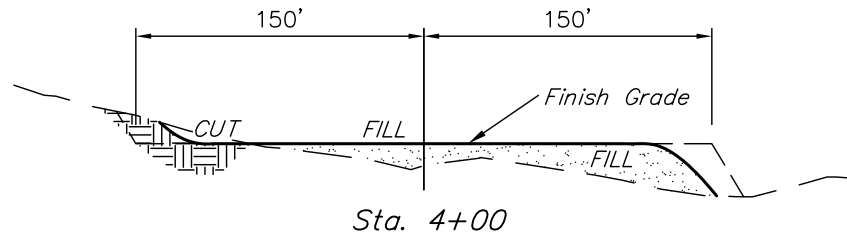
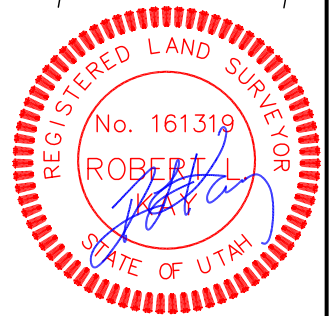
**FIGURE #2**

X-Section  
Scale  
1" = 40'  
1" = 100'

DATE: 02-21-11

DRAWN BY: S.B.

REV: 02-22-11

**NOTE:**

Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area.

**APPROXIMATE ACREAGES**

WELL SITE DISTURBANCE = ± 3.616 ACRES  
ACCESS ROAD DISTURBANCE = ± 0.138 ACRES  
PIPELINE DISTURBANCE = ± 0.159 ACRES  
TOTAL = ± 3.913 ACRES

\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(12") Topsoil Stripping = 5,130 Cu. Yds.  
Remaining Location = 17,170 Cu. Yds.  
TOTAL CUT = 22,300 CU.YDS.  
FILL = 7,150 CU.YDS.

EXCESS MATERIAL = 15,150 Cu. Yds.  
Topsoil & Pit Backfill = 7,660 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 7,490 Cu. Yds.  
(After Interim Rehabilitation)

**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



## BILL BARRETT CORPORATION

## TYPICAL RIG LAYOUT FOR

#8-6-45 BTR

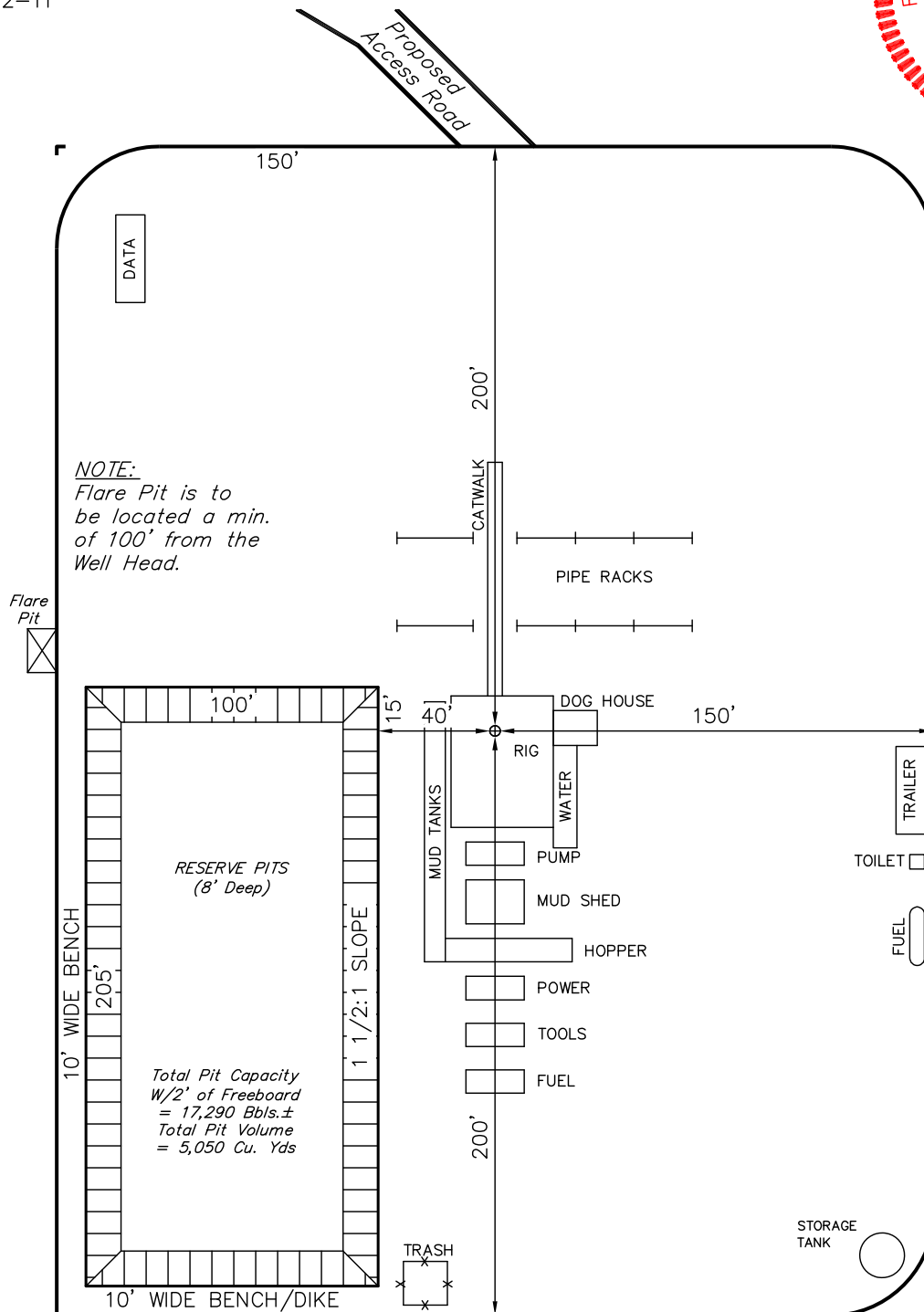
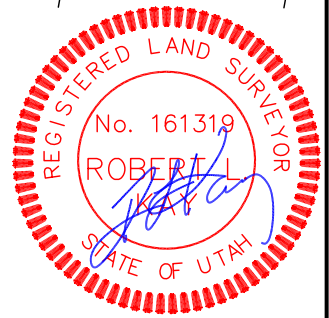
SECTION 6, T4S, R5W, U.S.B.&amp;M.

1744' FNL 827' FEL



SCALE: 1" = 60'  
 DATE: 02-21-11  
 DRAWN BY: S.B.  
 REV: 02-22-11

FIGURE #3



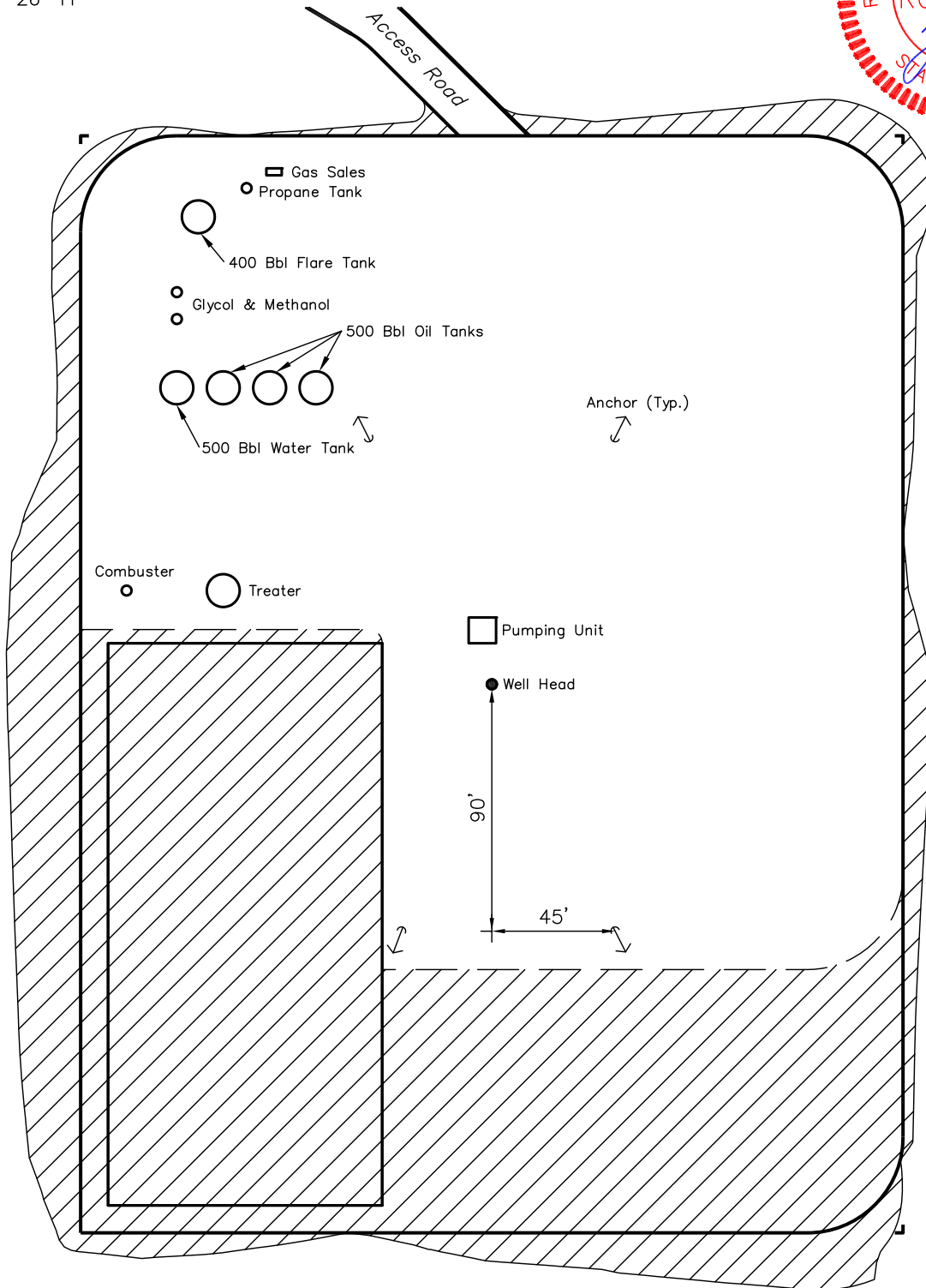
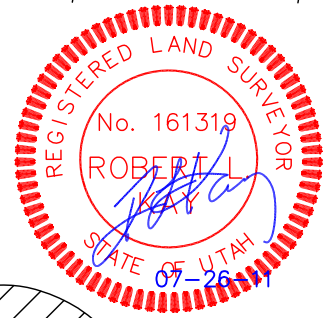
**BILL BARRETT CORPORATION**  
**INTERIM RECLAMATION PLAN FOR**

**FIGURE #4**



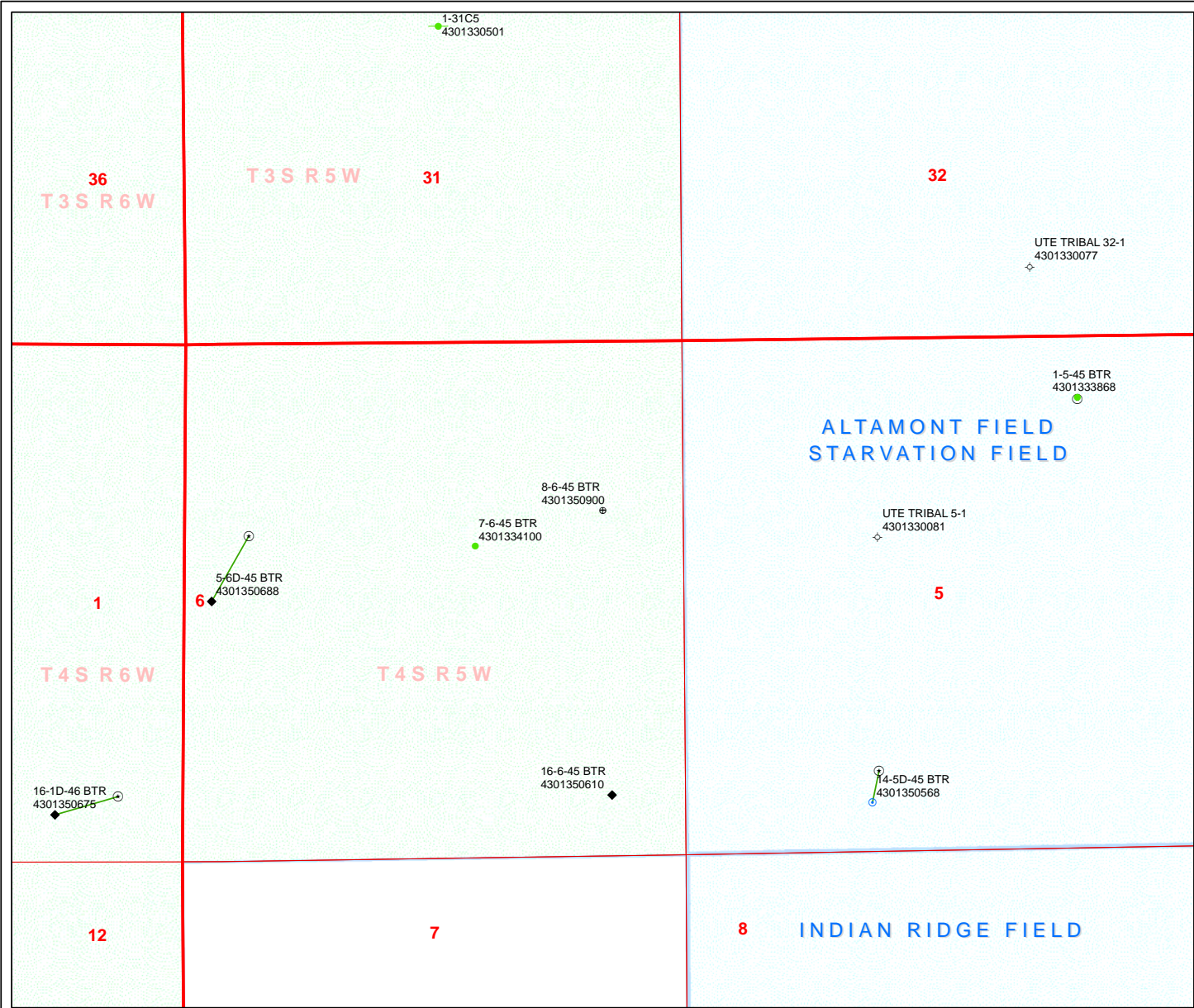
SCALE: 1" = 60'  
 DATE: 06-29-11  
 DRAWN BY: S.B.  
 REV: 07-26-11

#8-6-45 BTR  
 SECTION 6, T4S, R5W, U.S.B.&M.  
 1744' FNL 827' FEL



APPROXIMATE ACREAGES  
 UN-RECLAIMED = ± 1.763 ACRES

INTERIM RECLAMATION



API Number: 4301350900  
Well Name: 8-6-45 BTR  
Township T0.4 . Range R0.5 . Section 06  
Meridian: UBM  
Operator: BILL BARRETT CORP

Map Prepared:  
Map Produced by Diana Mason

**Units**

**STATUS**

ACTIVE

EXPLORATORY

GAS STORAGE

NF PP OIL

NF SECONDARY

PI OIL

PP GAS

PP GEOTHERML

PP OIL

SECONDARY

TERMINATED

**Fields**

**STATUS**

Unknown

ABANDONED

ACTIVE

COMBINED

INACTIVE

STORAGE

TERMINATED

Sections

Township

**Wells Query**

**Status**

APD - Approved Permit

DRL - Spudded (Drilling Commenced)

GIW - Gas Injection

GS - Gas Storage

LA - Location Abandoned

LOC - New Location

OPS - Operation Suspended

PA - Plugged Abandoned

PGW - Producing Gas Well

POW - Producing Oil Well

RET - Returned APD

SGW - Shut-in Gas Well

SOW - Shut-in Oil Well

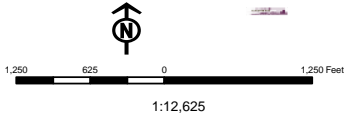
TA - Temp. Abandoned

TW - Test Well

WDW - Water Disposal

WIW - Water Injection Well

WSW - Water Supply Well



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 7/28/2011**WELL NAME:** 8-6-45 BTR**OPERATOR:** BILL BARRETT CORP (N2165)**CONTACT:** Venessa Langmacher**API NO. ASSIGNED:** 43013509000000**PHONE NUMBER:** 303 312-8172**PROPOSED LOCATION:** SENE 06 040S 050W**Permit Tech Review:** ☒**SURFACE:** 1744 FNL 0827 FEL**Engineering Review:** ☐**BOTTOM:** 1744 FNL 0827 FEL**Geology Review:** ☒**COUNTY:** DUCHESNE**LATITUDE:** 40.16440**LONGITUDE:** -110.48597**UTM SURF EASTINGS:** 543774.00**NORTHINGS:** 4445920.00**FIELD NAME:** ALTAMONT**LEASE TYPE:** 2 - Indian**LEASE NUMBER:** 1420H626296**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER**SURFACE OWNER:** 2 - Indian**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** INDIAN - LPM8874725☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** Duchesne City Culinary Water Dock☐ **RDCC Review:**☐ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:**☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** Cause 139-85**Effective Date:** 3/11/2010**Siting:** 4 Prod LGRRV-WSTC Wells in Drl Units☐ **R649-3-11. Directional Drill****Comments:** Presite Completed**Stipulations:** 4 - Federal Approval - dmason



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** 8-6-45 BTR  
**API Well Number:** 43013509000000  
**Lease Number:** 1420H626296  
**Surface Owner:** INDIAN  
**Approval Date:** 8/2/2011

**Issued to:**

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-85. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
- OR
- submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month

API Well No: 43013509000000

- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read 'J. Rogers', written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626296
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Uintah
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 8-6-45 BTR
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1744 FNL 0827 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 06 Township: 04.0S Range: 05.0W Meridian: U		<b>9. API NUMBER:</b> 43013509000000
<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT		<b>COUNTY:</b> DUCHESNE
<b>STATE:</b> UTAH		
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 3/1/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input checked="" type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION         </div> </div>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>  This sundry is being submitted to request that this well be designated as a wildcat well under the provisions of R649-3-35. This well is not located within a federal unit and is under statewide spacing since it is being drilled to the Mahogany formation. Therefore, BBC requests a tentative determination of wildcat designation. Additional information will be provided upon completion.		
<div style="color: red; font-weight: bold;">             Approved by the              Utah Division of              Oil, Gas and Mining           </div> <div style="color: red; font-weight: bold;">             Date: <u>08/18/2011</u>              By: <u><i>Derek Duff</i></u> </div>		
<b>NAME (PLEASE PRINT)</b> Venessa Langmacher		<b>PHONE NUMBER</b> 303 312-8172
<b>SIGNATURE</b> N/A		<b>TITLE</b> Senior Permit Analyst
<b>DATE</b> 8/8/2011		

Please Review Attached Conditions of Approval

RECEIVED Aug. 08, 2011



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43013509000000**

**See attached Statement of Basis. This is a preliminary determination only. Upon final completion, the operator should apply to the division for a final determination.**



DIVISION OF OIL, GAS AND MINING  
**Preliminary Wildcat Well Determination**  
**STATEMENT OF BASIS**

**Applicant:** BILL BARRETT CORPORTATION

**Location:** SENE Sec 06 T04S, R05W Duchesne County, Utah

**WELL NAME:** 8-6-45 BTR **API #:** 43-013-50900

**FINDINGS**

1. This well has a current Application for Permit to Drill (APD).
2. There are three (3) additional wells within the 1 mile area of review that are under APD status or currently being drilled. These wells have a proposed formation listed as Lower Green River-Wasatch.
3. This well is > 1 mile from known production out of the Upper Green River formation (Attachment A).
4. Cause 139-77 defines the Lower Green River-Wasatch formation as the interval from the TGR3 marker to the top of the Cretaceous.
5. This well is proposed to produce out of the Upper Green River and Mahogany formation, both of which are not part of the Lower Green River-Wasatch formation.
6. There are several wells within the 1 mile area of review that have produced out of the Lower Green River formation. (Attachment A).

**CONCLUSIONS**

Based on the findings above the Division has determined the 8-6-45 BTR well is planned to be drilled into an unknown area for the Upper Green River and Mahogany formations. Therefore, the Division finds that this well would qualify for the severance tax exemption under Section 59-5-102(2)(d) for wildcat wells. Upon final completion, the operator should apply to the division for a final determination. This preliminary determination was made in accordance with Oil and Gas General Conservation Rule R649-3-35.

Reviewer(s): Dustin K. Doucet 

Date: 8/18/11

Joshua J. Payne 

Date: August 9, 2011

ATTACHMENT A															
1 Mile Area of Review															
API	WELL NAME	Well Status	QTR	Sect	Town	Range	Cum Oil	Cum Gas	Field Type	Dx From Well(ft)	Rotar Spud	Date TD Reached	Date First Produced	Producing Formation	Depth TD
4301350900	8-6-45 BTR	APD	SENE	06	040S	050W	0	0	D	0				GREEN RIVER (PROPOSED)	4956 (prop)
4301350688	5-6D-45 BTR	APD	SWNW	06	040S	050W	0	0	D	3759				GREEN RIVER - WASATCH (PROP)	9338 (prop)
4301350610	16-6-45 BTR	APD	SESE	06	040S	050W	0	0	D	2674				GREEN RIVER - WASATCH (PROP)	8800 (prop)
4301350568	14-5D-45 BTR	DRL	SESW	05	040S	050W	0	0	D	3728	7/10/2011			GREEN RIVER - WASATCH (PROP)	8800 (prop)
4301334100	7-6-45 BTR	POW	SWNE	06	040S	050W	91221	121895	D	1241	6/25/2010	7/6/2010	8/10/2010	GREEN RIVER - WASATCH	8466
4301333868	1-5-45 BTR	POW	NENE	05	040S	050W	92911	124663	D	4565	7/10/2008	7/28/2008	10/25/2008	GREEN RIVER - WASATCH	8732
4301330508	TRIBAL 5-2	LA	SWSE	05	040S	050W	0	0	D	4686				NA	
4301330501	1-31C5	SOW	SENW	31	030S	050W	63578	337355	D	4790	12/20/1979	2/6/1980	2/26/1980	GREEN RIVER - WASATCH	9150
4301330095	UTE TRIBAL 6-1	LA	SWNE	06	040S	050W	0	0	D	1198				NA	
4301330081	UTE TRIBAL 5-1	PA	SENW	05	040S	050W	104897	132745	D	2584	12/20/1971	1/31/1972	2/3/1972	GREEN RIVER - WASATCH	8303
4301330077	UTE TRIBAL 32-1	PA	SWSE	32	030S	050W	0	0	D	4601	12/13/1971	1/17/1972	1/22/1972	GREEN RIVER - WASATCH	7986

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**1.2.1**

There are no wells producing from the Upper Green River within a one mile radius.

**1.2.2**

The 8-6-45 will be completed in the Upper Green River. The Upper Green River interval is from the top of the Green River to the top of the Lower Green River (TGR3). This interval was deposited in the Tertiary during low and high stands of Lake Uinta. During this time, many transgressive and regressive sequences occurred depositing lacustrine and shoreline facies. This interval is comprised of many different lithologies, of which, sandstones, shales and carbonates are the main facies. Within the Upper Green River exists one of the most organic rich source rocks in the Uinta Basin known as the Mahogany bed. The Mahogany bed stretches across the entire basin but is thermally immature in most areas. While drilling through the Upper Green River in Cedar Rim/Blacktail Ridge, persistent oil and gas shows are seen consistently throughout the field.

Currently, the 8-6-45 is located within the 139-85 spacing order which calls for 4 producing wells in a section and is spaced from the TGR3 to the top of the Cretaceous. The Upper Green River is not currently spaced and falls within the state wide citing of 40 acres. Only a few wells have been completed in the Upper Green River in Cedar Rim/Blacktail Ridge. Duchesne Field, located in T4S-R4W to the west of Cedar Rim/Blacktail Ridge, is the only field in the Uinta Basin where the Upper Green River was the main target for hydrocarbon extraction. In Cedar Rim/Blacktail Ridge, there are only two wells that have economic production, the Ute Tribal 2-2C6 and the Cedar Rim 14 (Table 1).

Table 1. Key Upper Green River well in Cedar Rim/Blacktail Ridge

Well	API	Current Status	Distance to the 8-6-45	Completion Date	Perf Intervals	Completion Information
Ute Tribal 2-2C6	43-013-30531	P&A	32,515'	5/1985	5072'-5146	Cased and Fraced
Cedar Rim 14	43-013-30345	P&A	30,240'	8/1976	4718'-4758'	Acid

**1.2.4**

The Altamont-Bluebell trend is considered as part of the USGS deep overpressured continuous oil play with little structural and minimal stratigraphic trapping. In Cedar Rim/Blacktail Ridge, there are no known geologic structures that would assist in the trapping of oil and gas. Overpressuring occurs below the TGR3 in most of the field so the Upper Green River is considered to be at hydrostatic pressure.

**1.2.5**

N/A

**1.2.6**

Included in 1.2.2

36

1-31C5

31

32

33

32-1

1-5-45 BTR

8-6-45\_BTR

7-6-45\_BTR

5-1

1

6

5

4

## Legend

○ One Mile Radius

— x-section

### Uinta Basin

8-6-45

Wildcat Exemption

0 1,610  
FEET

#### WELL SYMBOLS

- Location
- Oil Well
- Plugged & Abandoned Oil Well
- Shut In Oil Well

By: JA

7

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8

9

7-6-45\_BTR

6/25/2010 ● T4S R5W S6 <1.353FT>

8-6-45\_BTR

12/7/2011 ○ T4S R5W S6 <2.778FT>

UTE TRIBAL  
5-1

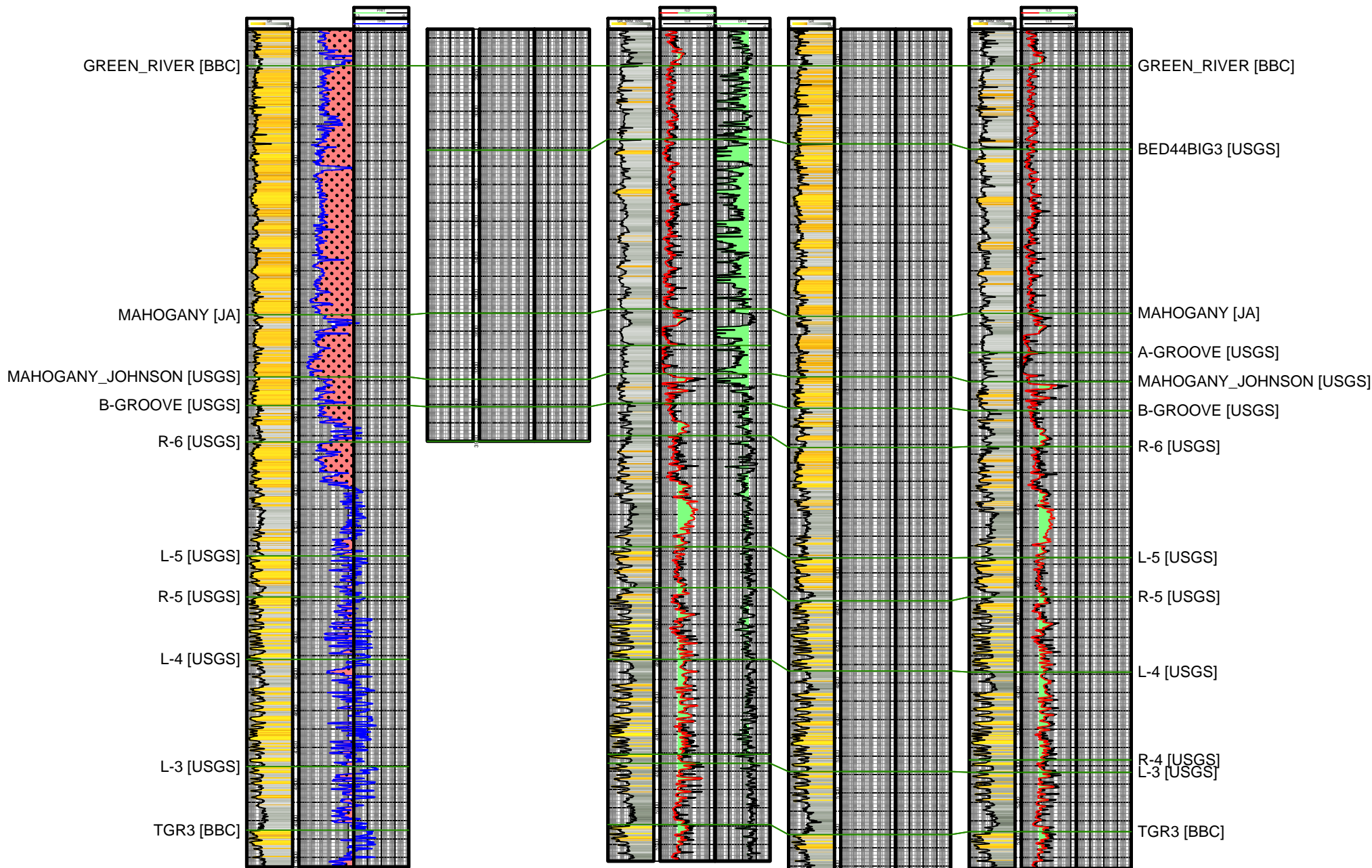
12/20/1971 ● T4S R5W S5 <2.477FT>

1-5-45 BTR

7/10/2008 ● T4S R5W S5 <1.465FT>

UTE TRIBAL  
32-1

12/13/1971 ● T3S R5W S32



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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 29 2011

FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

## APPLICATION FOR PERMIT TO DRILL OR REENTER


BLM

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 1420H626296
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BILL BARRETT CORPORATION Contact: VENESSA LANGMACHER E-Mail: vlangmacher@billbarrettcorp.com		7. If Unit or CA Agreement, Name and No.
3a. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202	3b. Phone No. (include area code) Ph: 303-312-8172 Fx: 303-291-0420	8. Lease Name and Well No. 8-6-45 BTR
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SENE 1744FNL 827FEL 40.164519 N Lat, 110.486483 W Lon At proposed prod. zone SENE 1744FNL 827FEL 40.164519 N Lat, 110.486483 W Lon		9. API Well No. 43-013-50900
14. Distance in miles and direction from nearest town or post office* 5.1 MILES WEST OF DUCHESNE, UT		10. Field and Pool, or Exploratory ALTAMONT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 827'	16. No. of Acres in Lease 593.90	11. Sec., T., R., M., or Blk. and Survey or Area Sec 6 T4S R5W Mer UBM
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1358'	19. Proposed Depth 4956 MD 4956 TVD	12. County or Parish DUCHESNE
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5858 GL	22. Approximate date work will start 03/01/2012	13. State UT
20. BLM/BIA Bond No. on file LPM8874725		17. Spacing Unit dedicated to this well 640.00
23. Estimated duration 60 DAYS (D&C)		

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) VENESSA LANGMACHER Ph: 303-312-8172	Date 07/28/2011
Title SENIOR PERMIT ANALYST		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date JAN 17 2012
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #114036 verified by the BLM Well Information System DIV. OF OIL, GAS & MINING  
For BILL BARRETT CORPORATION, sent to the Vernal  
Committed to AFMSS for processing by LESLIE ROBINSON on 08/02/2011

NOTICE OF APPROVAL

UDOGM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

11SS0741AE

1105-5/26/11





UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Bill Barrett Corporation  
Well No: 8-6-45 BTR  
API No: 43-013-50900

Location: SENE, Sec. 6, T4S, R5W  
Lease No: 14-20-H62-6296  
Agreement: N/A

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:blm_ut_vn_opreport@blm.gov">blm_ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**Additional Stipulations:**

- Production Equipment will be painted Beetle Green to help blend into the surrounding vegetation.
- See Exhibit One of the approved EA U&O-FY12-Q1-037 for additional mitigation measures that must be followed for each of the proposed well locations.

**General Conditions of Approval:**

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipelines.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- Bill Barrett Corporation will implement a "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COA's, and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.



- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- A CBL shall be run from TD to surface on the production casing.
- Gamma Ray Log shall be run from TD to Surface.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person

making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM\_UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626296
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> 8-6-45 BTR
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43013509000000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1744 FNL 0827 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 06 Township: 04.0S Range: 05.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 6/1/2012	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was spud by Triple A Drilling on 6/1/2012 at 8:00 am.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 June 12, 2012

<b>NAME (PLEASE PRINT)</b> Venessa Langmacher	<b>PHONE NUMBER</b> 303 312-8172	<b>TITLE</b> Senior Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/12/2012

## BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Triple A Drilling  
Submitted By Venessa Langmach Phone Number 303-312-8172  
Well Name/Number 8-6-45 BTR<sup>4</sup>  
Qtr/Qtr SENE Section 6 Township 4S Range 5W  
Lease Serial Number 1420H626296  
API Number 4301350900

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 06/01/2012 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

**RECEIVED**

**MAY 31 2012**

**DIV. OF OIL, GAS & MINING**

Date/Time \_\_\_\_\_ AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks \_\_\_\_\_  
\_\_\_\_\_

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: Bill Barrett Corporation Operator Account Number: N 2165  
Address: 1099 18th Street, Suite 2300  
city Denver  
state CO zip 80202 Phone Number: (303) 312-8172

**Well 1**

API Number	Well Name	QQ	Sec	Twp	Rng	County
4301351053	10-22-22 South Altamont	NWSE	22	2S	2W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	18560	6/8/2012	6/13/2012		
Comments: Spudding Operation was conducted by Triple A Drilling @ 8:00 am. GR-WS						<b>CONFIDENTIAL</b>

**Well 2**

API Number	Well Name	QQ	Sec	Twp	Rng	County
4301350900	8-6-45 BTR	SENE	6	4S	5W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	18561	6/1/2012	6/13/2012		
Comments: Spudding Operation was conducted by Triple A Drilling @ 8:00 am. GRRV						—

**Well 3**

API Number	Well Name	QQ	Sec	Twp	Rng	County
4301350884	7-4D-45 BTR	SWNE	4	4S	5W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	18562	6/4/2012	6/13/2012		
Comments: Spudding Operation was conducted by Triple A Drilling @ 4:30 pm. GR-WS						—

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

Title

6/12/2012

Date

**RECEIVED**

**JUN 13 2012**



STATE

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# Nabors M22  
Submitted By Jeremy Mejorado Phone Number 303-353-5350

Well Name/Number 8-6-45 BTR  
Qtr/Qtr    Section 6 Township 4S Range 5W  
Lease Serial Number                       
API Number 43-013-50900

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time                      AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 6/22/12 11:00 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time                      AM ☐ PM ☐

RECEIVED  
JUN 21 2012

DIV. OF OIL, GAS & MINING

Remarks WE WILL BE CEMENTING SURFACE CSG AROUND 1:00  
PM 6/22/12

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**RECEIVED**

**JUN 21 2012**

**DIV. OF OIL, GAS & MINING**

~~BLM~~ - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# Nabors M22  
Submitted By Jeremy Mejorado Phone Number 303-353-5350

Well Name/Number 8-6-45 BTR  
Qtr/Qtr     Section   6   Township 4S Range 5W  
Lease Serial Number                       
API Number 43-013-50900

**Spud Notice** – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time \_\_\_\_\_ AM ☐ PM ☐

**Casing** – Please report time casing run starts, not cementing times.

- |                          |                     |
|--------------------------|---------------------|
| <input type="checkbox"/> | Surface Casing      |
| <input type="checkbox"/> | Intermediate Casing |
| <input type="checkbox"/> | Production Casing   |
| <input type="checkbox"/> | Liner               |
| <input type="checkbox"/> | Other               |

RECEIVED

JUN 24 2012

# DIV. OF OIL, GAS & MINING

Date/Time \_\_\_\_\_ AM ☐ PM ☐

## BOPE

- |                                     |   |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Initial BOPE test at surface casing point |
| <input type="checkbox"/>            | BOPE test at intermediate casing point    |
| <input type="checkbox"/>            | 30 day BOPE test                          |
| <input type="checkbox"/>            | Other                                     |

Date/Time 6/23/12 2:00 AM ☒ PM ☐

Remarks

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626296
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 8-6-45 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1744 FNL 0827 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 06 Township: 04.0S Range: 05.0W Meridian: U		<b>9. API NUMBER:</b> 43013509000000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/30/2012	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE   <input type="checkbox"/> CHANGE TO PREVIOUS PLANS   <input type="checkbox"/> CHANGE WELL STATUS   <input type="checkbox"/> DEEPEN   <input type="checkbox"/> OPERATOR CHANGE   <input type="checkbox"/> PRODUCTION START OR RESUME   <input type="checkbox"/> REPERFORATE CURRENT FORMATION   <input type="checkbox"/> TUBING REPAIR   <input type="checkbox"/> WATER SHUTOFF   <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING   <input type="checkbox"/> CHANGE TUBING   <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS   <input type="checkbox"/> FRACTURE TREAT   <input type="checkbox"/> PLUG AND ABANDON   <input type="checkbox"/> RECLAMATION OF WELL SITE   <input type="checkbox"/> SIDETRACK TO REPAIR WELL   <input type="checkbox"/> VENT OR FLARE   <input type="checkbox"/> SI TA STATUS EXTENSION   <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR   <input type="checkbox"/> CHANGE WELL NAME   <input type="checkbox"/> CONVERT WELL TYPE   <input type="checkbox"/> NEW CONSTRUCTION   <input type="checkbox"/> PLUG BACK   <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION   <input type="checkbox"/> TEMPORARY ABANDON   <input type="checkbox"/> WATER DISPOSAL   <input type="checkbox"/> APD EXTENSION           OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between; align-items: flex-start; padding-top: 20px;"> <div style="width: 60%;"> <p>June 2012 monthly drilling activity report is attached.</p> </div> <div style="width: 35%; text-align: center;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>FOR RECORD ONLY</b></p> <p>July 03, 2012</p> </div> </div>		
<b>NAME (PLEASE PRINT)</b> Megan Finnegan		<b>PHONE NUMBER</b> 303 299-9949
<b>SIGNATURE</b> N/A		<b>TITLE</b> Permit Analyst
<b>DATE</b> 7/3/2012		



**8-6-45 BTR 6/16/2012 15:00 - 6/17/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	15.00	06:00	1	RIGUP & TEARDOWN	RIGGING DOWN WITH CREWS

**8-6-45 BTR 6/17/2012 06:00 - 6/18/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	13.00	19:00	1	RIGUP & TEARDOWN	MOVING RIG WITH JONES TRUCKING
19:00	11.00	06:00	21	OPEN	WAIT ON DAYLIGHT

**8-6-45 BTR 6/18/2012 06:00 - 6/19/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	MOVING AND RIGGING UP WITH JONES TRUCKING
18:00	12.00	06:00	1	RIGUP & TEARDOWN	RIGGING UP WITH RIG CREWS

**8-6-45 BTR 6/19/2012 06:00 - 6/20/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	15.00	21:00	1	RIGUP & TEARDOWN	SCOPE DERRICK - INSTALL IBOP & SAVER SUB - R/U KELLY HOSE, INSTALL NEW CAMERAS, FUNCTION TEST MUD PUMPS, DREESSED OUT MUD TANKS, CLEAN OUT FLOWLINE, R/U RESERVE PIT PUMP, R/U PASON LINES
21:00	2.50	23:30	21	OPEN	R/U CONDUCTOR - R/D CONDUCTOR (AIR BOOT LEAKING) CHANGE AIR BOOT & R/U CONDUCTOR
23:30	2.00	01:30	21	OPEN	STRAP BHA
01:30	3.50	05:00	20	DIRECTIONAL WORK	P/U MUD MOTOR - M/U BIT - P/U DIR TOOLS & REAMER - M/U STAND OF HWD
05:00	0.50	05:30	7	LUBRICATE RIG	RIG SERVICE
05:30	0.50	06:00	2	DRILL ACTUAL	W/448 GPM 25 RPM & 6K WT ON BIT

**8-6-45 BTR 6/20/2012 06:00 - 6/21/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	8	REPAIR RIG	REPLACE O-RING ON MUDLINE THAT WAS LEAKING
06:30	0.50	07:00	2	DRILL ACTUAL	W/ 448 GPM 25 RPM & 6K WT ON BIT
07:00	0.50	07:30	7	LUBRICATE RIG	RIG SERVICE
07:30	0.50	08:00	2	DRILL ACTUAL	W/ 448 GPM 25 RPM & 6K WT ON BIT
08:00	2.50	10:30	20	DIRECTIONAL WORK	P/U DIR TOOLS LOAD MWD TOOL - L/D MWD TOOL (BENT WHILE INSTALLING CHANGE OUT TOP CONTACT) LOAD MWD TOOL
10:30	1.50	12:00	2	DRILL ACTUAL	W/ 580 GPM 30 RPM & 8K WT ON BIT
12:00	0.50	12:30	6	TRIPS	P/U 8" DCs
12:30	17.00	05:30	2	DRILL ACTUAL	W/ 733 GPM 60 RPM & 14K WT ON BIT
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

**8-6-45 BTR 6/21/2012 06:00 - 6/22/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	2	DRILL ACTUAL	W/ 730 GPM 65 RPM & 14K WT ON BIT
12:00	4.50	16:30	8	REPAIR RIG	DOWN TIME DUE TO LACK OF NABORS EMPLOYEES
16:30	9.00	01:30	2	DRILL ACTUAL	W/ 730 GPM 60 RPM & 15K WT ON BIT
01:30	1.00	02:30	5	COND MUD & CIRC	CIRC PUMP TWO HIGH VIS SWEEPS
02:30	0.50	03:00	6	TRIPS	T.O.O.H. 5 STANDS - WELL FLOWING

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
03:00	0.50	03:30	5	COND MUD & CIRC	CIRC B/U (WELL FLOWING @ 1BBL/MIN)
03:30	0.50	04:00	6	TRIPS	T.I.H.
04:00	1.00	05:00	5	COND MUD & CIRC	CIRC & MUD UP TO KILL WELL/WATER FLOW
05:00	0.50	05:30	21	OPEN	FLOW CHECK (NO FLOW)
05:30	0.50	06:00	5	COND MUD & CIRC	CIRC B/U

**8-6-45 BTR 6/22/2012 06:00 - 6/23/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	6	TRIPS	WIPER TRIP
10:00	2.00	12:00	5	COND MUD & CIRC	CIRC & RAISE MUD WT TO 9.2 PPG
12:00	4.00	16:00	6	TRIPS	T.O.O.H. - L/D 8" DCs & REAMERS
16:00	1.50	17:30	20	DIRECTIONAL WORK	L/D DIR TOOLS - BREAK BIT & L/D MUD MOTOR
17:30	5.00	22:30	12	RUN CASING & CEMENT	R/U CSG CREW & RUN 58 JOINTS 9 5/8 36# J-55 CSG WITH 13 CENTRILIZERS - CSG SET @ 2030'
22:30	1.00	23:30	5	COND MUD & CIRC	CIRC & COND MUD
23:30	2.00	01:30	12	RUN CASING & CEMENT	R/U CEMENTERS - TEST LINES @ 5000 PSI, PUMP 10BBL WATER SPACER 40 BBLS SUPER FLUSH, 10 BBLS WATER SPACER, 225.1 BBLS 400 SKS 11 PPG 3.16 YIELD LEAD CEMENT MIXED @ 19.48 GAL/SK, 55.7 BBLS 235 SKS 14.8 PPG TAIL CEMENT MIXED @ 6.31 GAL/SK, SHUT DOWN DROP PLUG & DISPLACE WITH 192 BBLS WATER, BUMP PLUG & PRESSURE UP 500 PSI OVER (1085 PSI) CHECK FLOATS (FLOATS HELD) - FULL RETURNS DURING JOB 100 BBLS CEMENT TO SURFACE -
01:30	3.00	04:30	13	WAIT ON CEMENT	WAIT ON CEMENT - R/D CONDUCTOR PREP TO PICK UP 1" PIPE FOR TOP JOB
04:30	1.00	05:30	12	RUN CASING & CEMENT	R/U & PUMP 7 BBLS 30 SKS 15 PPG 3.11 YIELD TOP OUT CEMENT - R/D CEMENTERS
05:30	0.50	06:00	13	WAIT ON CEMENT	WAIT ON CEMENT

**8-6-45 BTR 6/23/2012 06:00 - 6/24/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	13	WAIT ON CEMENT	WAIT ON CEMENT
06:30	4.00	10:30	21	OPEN	R/D COND - CUT OFF COND & CSG - WELD ON WELL HEAD
10:30	3.00	13:30	14	NIPPLE UP B.O.P	NIPPLE UP BOP & FLARE LINES - R/U FLOW LINE
13:30	5.00	18:30	15	TEST B.O.P	R/U TESTER & TEST BOP (LOWER KELLY VALVE UPPER KELLY VALVE, SAFETY VALVE, DART VALVE, PIPE RAMS, BLIND RAMS, HCR, KILL LINE VALVES CHOKE LINE & CHOKE MANIFOLD VALVES ALL @ 5MIN 250 PSI LOW 10MIN 5000 PSI HIGH - TEST ANNULAR @ 5MIN 250 PSI LOW 10 MIN 2500 PSI HIGH - TEST CSG @ 30 MIN 1500 PSI - R/D TESTER
18:30	0.50	19:00	21	OPEN	SET WEAR BUSHING
19:00	0.50	19:30	7	LUBRICATE RIG	RIG SERVICE
19:30	3.00	22:30	20	DIRECTIONAL WORK	P/U MOTOR - M/U BIT - P/U DIR TOOLS & REAMERS LOAD MWD TOOL
22:30	1.50	00:00	6	TRIPS	T.I.H. F/O' T/2460
00:00	0.50	00:30	2	DRILL ACTUAL	DRILL CEMENT FLOAT & SHOE W/ 326 GPM 25 RPM & 7K WT ON BIT
00:30	0.50	01:00	2	DRILL ACTUAL	W/ 366 GPM 25 RPM & 8K WT ON BIT
01:00	0.50	01:30	21	OPEN	EMW TEST TO 10.0 PPG W/8.8 PPG MUD CLOSE ANNULAR AND PRESSURE UP TO 159 PSI PRESSURE LEAKED OFF TO 140 PSI (9.8 PPG MUD WT)
01:30	4.50	06:00	2	DRILL ACTUAL	W/ 558 GPM 65 RPM & 12K WT ON BIT

**8-6-45 BTR 6/24/2012 06:00 - 6/25/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	2	DRILL ACTUAL	W/ 550 GPM 65 RPM & 14K WT ON BIT
09:00	2.00	11:00	8	REPAIR RIG	GENERATORS NOT SHARING LOAD & OVERHEATING
11:00	6.50	17:30	2	DRILL ACTUAL	W/550 GPM 65 RPM & 14K WT ON BIT
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
18:00	6.00	00:00	2	DRILL ACTUAL	W/ 448 GPM 65 RPM & 14K WT ON BIT
00:00	0.50	00:30	5	COND MUD & CIRC	CIRC PUMP HIGH VIS SWEEP
00:30	0.50	01:00	21	OPEN	FLOW CHECK (NO FLOW)
01:00	0.50	01:30	5	COND MUD & CIRC	CIRC B/U
01:30	1.00	02:30	6	TRIPS	14 STAND WIPER TRIP
02:30	1.00	03:30	5	COND MUD & CIRC	CIRC PUMP HIGH VIS SWEEP
03:30	2.50	06:00	6	TRIPS	T.O.O.H.

**8-6-45 BTR 6/25/2012 06:00 - 6/26/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	20	DIRECTIONAL WORK	PULL MWD TOOL - L/D GAP SUB & REAMER
07:00	5.00	12:00	11	WIRELINE LOGS	R/U LOGGERS & LOG (LOGGERS DEPTH= 3777') R/D LOGGERS
12:00	3.50	15:30	6	TRIPS	T.I.H. F/O' T/3777'
15:30	1.00	16:30	5	COND MUD & CIRC	CIRC PUMP HIGH VIS SWEEP
16:30	4.50	21:00	6	TRIPS	L/D DRILL PIPE, HWDP & 6" DCs
21:00	1.00	22:00	20	DIRECTIONAL WORK	L/D DIR TOOLS - BREAK BIT L/D MUD MOTOR
22:00	0.50	22:30	21	OPEN	PULL WEAR BUSHING
22:30	3.50	02:00	12	RUN CASING & CEMENT	S/M - R/U CSG CREW & RUN 85 JOINTS 5.5" 17# P-110 CSG WITH ONE MARKER JOINT & 15 CENTRILIZERS - CSG SET @ 3767'
02:00	1.00	03:00	5	COND MUD & CIRC	CIRC & COND MUD
03:00	2.00	05:00	12	RUN CASING & CEMENT	R/U CEMENTERS - TEST LINES @ 5000 PSI - PUMP 5 BBL WATER SPACER, 40 BBLS SUPER FLUSH, 10 BBLS WATER SPACER, 182 BBLS 720 SKS 13.5 PPG 1.42 YILED LEAD CEMENT MIXED @ 6.65 GAL/SK, SHUT DOWN WASH LINES DROP PLUG & DISPLACE WITH 86.5 BBLS FRESH WATER WITH CLAY-WEB & ALDACIDE G, BUMP PLUG & PRESSURE UP 500 PSI OVER (1700 PSI) RELEASE PRESSURE CHECK FLOATS (FLOATS HELD) FULL RETURNS DURING JOB 0 BBLS CEMENT TO SURFACE
05:00	1.00	06:00	14	NIPPLE DOWN B.O.P	FLUSH STACK - NIPPLE DOWN BOP

**8-6-45 BTR 6/26/2012 06:00 - 6/26/2012 13:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	13	WAIT ON CEMENT	WAIT ON CEMENT - CLEAN PITS
10:00	0.50	10:30	21	OPEN	SET SLIPS @ 115K - CUT OFF CSG
10:30	2.50	13:00	21	OPEN	CLEAN MUD TANKS - RIG RELEASED @ 1300 HRS 6/26/12

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# Nabors M22  
Submitted By Jeremy Mejorado Phone Number 303-353-5350

Well Name/Number 8-6-45 BTR  
Qtr/Qtr    Section 6 Township 4S Range 5W  
Lease Serial Number                       
API Number 43-013-50900

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time                      AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 6/26/12- 10:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time            AM ☐ PM ☐

**RECEIVED**

**JUN 26 2012**

DIV. OF OIL, GAS & MINING

Remarks WE WILL BE CEMENTING AROUND 2:00 AM 6/27/12  
PLEASE CALL WITH ANY QUESTIONS OR  
CONCERNS

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**RECEIVED**

**JUN 26 2012**

**DIV. OF OIL, GAS & MINING**



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H626296
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 8-6-45 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013509000000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1744 FNL 0827 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 06 Township: 04.0S Range: 05.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/31/2012			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

July 2012 monthly drilling activity report is attached.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 August 06, 2012

NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst
SIGNATURE N/A		DATE 8/2/2012

**8-6-45 BTR 7/1/2012 06:00 - 7/2/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com

**8-6-45 BTR 7/19/2012 06:00 - 7/20/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	Crew travel, safety meeting ,
07:00	2.00	09:00	RMOV	Rig Move	Road rig f/ windy ridge 25-15 to 8-6-45 BTR
09:00	1.00	10:00	SRIG	Rig Up/Down	MIR & RU
10:00	1.00	11:00	BOPI	Install BOP's	NU BOP'S, RU Floor & equipment
11:00	1.00	12:00	PFRT	Perforating	RU Cutters wireline, RIH & shoot stage 1 perfs, Perfs as follows, 3594-96, 3582-84, 3520-22, 3510-12, 3489-91, 3466-68, 3431-33, ALL perfs @ 3 spf 120 deg, total of 42 shots, RD wireline
12:00	0.50	12:30	GOP	General Operations	Load tbg on pipe racks
12:30	3.00	15:30	RUTB	Run Tubing	Make up 1 jt 2 7/8 n-80 tbg, xn nipple & RIH picking up tallying 2 7/8 n-80 tbg to land @ 3370' w/ total of 105 jts 2 7/8 n-80 tbg in well
15:30	1.00	16:30	BOPR	Remove BOP's	RD floor & ND BOP"S
16:30	0.50	17:00	IWHD	Install Wellhead	NU well head flange w/ 5k gate valve, flow tee, 5k gate valve & 5k ball valve on flow tee, secure well, hook up flow line to flow back tank, well shut in,
17:00	1.00	18:00	SRIG	Rig Up/Down	Rig down rig, rack up equipment for rig move in AM, SDFN

**8-6-45 BTR 7/23/2012 06:00 - 7/24/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	HES Crew arrived @ 05:15. R/up Pump equipment & hard line to well head.
07:00	3.00	10:00	DTIM	Downtime	Current Well head valves were only rated @ 3705. Had to Wait on 5000# gate valve. Valve arrive @ 10:00 hrs. Installed 5k working pressure gate valve.
10:00	0.50	10:30	PTST	Pressure Test	Held safety meeting with HES Pump crew, reviewed acid design.
10:30	1.00	11:30	ACID	Acid Wash/Squeeze	Completed pressure test on treating iron 7000#. Open Well head, Acidized Stg #1. Started on 3% KCL @ 4.5, Seen formation break @ 3275. Increased rate to 8.0 bpm @ 3199. Pumped a total of 835 gals of 3% KCL. Staged into .5# ppg 20/40 Prem White sand & 15% HCL Acid @ 8.3 bpm, 3100 psi. On Acid & Sand Stg 1- .5# 8.0 bpm, 3199 psi .5# On perfs bpm 8.4 @ 2144 psi, Drop 32 bio-balls, Seen good ball action. Staged into Acid & Sand Stg 2- .5# 8.5 bpm, 2354 psi .5# On perfs bpm 8.3 @ 2253 psi, Drop 31 bio-balls, Seen no ball action. Flush tbg with 834 gal of 3% Kcl.Total Base Fluids pumped 325 bbl. & Total sand pump 6,000# of 20/40 White. Shut in and secured well head.
11:30	0.75	12:15	SRIG	Rig Up/Down	R/D HES Pump Equipment.
12:15	1.00	13:15	FBCK	Flowback Well	Started Flow Well back to Flow back tanks, Open well with 950 psi. Flowed back 25 bbls, pin hole leak was notice in one of the target tee's. Shut in Well and had to wait on new piping parts.
13:15	0.75	14:00	DTIM	Downtime	Wait on Target tee's.
14:00	0.25	14:15	SRIG	Rig Up/Down	Replaced tee's, installed adjustable choke. R/up swabbing unit.
14:15	1.75	16:00	FBCK	Flowback Well	Open Well on 24/64" choke. Starting pressure 750 psi, Water rate @ 35 bbls Pre-hour. Recovered total of 71 bbls Well stopped flowing with 0 psi on the tbg and Casing.
16:00	1.50	17:30	SWAB	Swab Well Down	Swab Well, Made a total of 4 swab running. 1- Swab from Surface to 1500', Recoved 10 bbls 2- Swab from 500' to 2500', Recovered 10 bbls. 3- Swab from 1000' to 2600', Recovered 10 bbls. 4- Swab from 1000' to 2800', Recovered 8 bbls. PH down to 6.8, seen no trace of sand and small trace of oil. took water samples on last run. Total bbls recovered 109 bbls total load water to recover 216 bbls.
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	Shut in and secured well for the night.

**8-6-45 BTR 7/24/2012 06:00 - 7/25/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	Crew Traveled to location.
07:00	10.00	17:00	SWAB	Swab Well Down	Made a total of 19 swab runs. Swab Well dry, F/L @ 3200', Recovered 117 bbls. Estimated oil cut @ 2% per run. Tbg Psi @ 0, Casing Psi @ 110 psi. Sent in 3 water samples.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	Shut in for the night.

**8-6-45 BTR 7/25/2012 06:00 - 7/26/2012 06:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.00	15:00	SWAB	Swab Well Down	SITP- 50. SICP- 210. MADE 1 SWAB RUN EVERY HOUR. BEGINNING FLUID LEVEL 2900'. ENDING 3100'. RECOVERED +/- 3 BBL'S. 95% OIL CUT. SENT IN 8 SAMPLES. RELEASE DELSCO SWAB UNIT. SHUT WELL IN.
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H626296
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: 8-6-45 BTR
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013509000000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1744 FNL 0827 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 06 Township: 04.0S Range: 05.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2012			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

August 2012 monthly drilling activity report is attached.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 September 06, 2012

NAME (PLEASE PRINT) Megan Finnegan	PHONE NUMBER 303 299-9949	TITLE Permit Analyst
SIGNATURE N/A		DATE 9/4/2012

**8-6-45 BTR 8/13/2012 00:00 - 8/14/2012 00:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00	1.00	01:00	CTRL	Crew Travel	Crew travel, safety meeting & jsa
01:00	1.00	02:00	RMOV	Rig Move	Rig move f/ 2-16D to 8-6
02:00	1.00	03:00	SRIG	Rig Up/Down	MIR & RU, Bleed down well
03:00	1.00	04:00	BOPI	Install BOP's	ND wellhead, NU BOP'S, rig up floor & equipment
04:00	0.50	04:30	HOIL	Hot Oil Well	Rig up & hot oil tbgs & csg
04:30	2.00	06:30	PULT	Pull Tubing	POOH w/ 105 jts 2 7/8 tbgs laying down
06:30	0.50	07:00	IWHD	Install Wellhead	Rig down floor, ND BOP'S, NU well head, shut well in
07:00	1.00	08:00	SRIG	Rig Up/Down	Rig down rig & rack up equipment, MOL
08:00	16.00	00:00	inactive	inactive	Well shut in

**8-6-45 BTR 8/21/2012 00:00 - 8/22/2012 00:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00		00:00	GOP	General Operations	HSM. Check Pressure. Bleed off 100 psi to FBT. No Flow. Nd Wellhead. Nu 5" 10k x 7" 5K DSA, Frac Valves, Frac Head. Shut well in and Secure.

**8-6-45 BTR 8/22/2012 00:00 - 8/23/2012 00:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00		00:00	GOP	General Operations	Fill Frac Tanks w/ 2% kcl.

**8-6-45 BTR 8/23/2012 00:00 - 8/24/2012 00:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00		00:00	GOP	General Operations	Heat frac fluid. Miru HES. Spot SLB.

**8-6-45 BTR 8/24/2012 00:00 - 8/25/2012 00:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00	6.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and Secure.
06:00	1.00	07:00	HOIL	Hot Oil Well	HSM w/ D&M. Pmp 50 bbls down 5-1/2" csg at 1 bpm, 1100 psi, 190". Ru SLB.
07:00	2.00	09:00	PFRT	Perforating	PU 5-1/2" HES 5k CBP and 3-1/8" Exp perf gun (3104 PJO, 22 Gr, .38 Ehd, 36" Pent, 3 spf on 120"). Pu into lubricator and Equalize 1000 psi. Rih and Set HES 5-1/2" CBP at 3419'. Pull up and perf 3116'-3399' (-8' correction to correlate cased hole to open hole) w/ 42 holes in 14' net. Pooh and verify all guns shot. Turn over to HES.



**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
09:00	3.00	12:00	FRAC	Frac. Job	<p>HSM, Attempt to pres test. Pmp not communication. Fix wiring. Pres test to 8500 psi. Good.</p> <p>Open well at 09:45 with psi. Load hole w/ gals and Break Down at 10.0 at 1536 psi. Pmp 3900 gal 15% HCL w/ 84 Bio Balls. Displace w/ 3966 gal at 15.1 at 1355 psi. Minimal Ball Action.</p> <p>Shut down and wait 15 min for balls to fall.</p> <p>Stage to Pad. Pmp 2050 gal 10.0 at 1157 psi.</p> <p>1# of 100 mesh- 10.1 bpm at 1155 psi, on perf 10.0 bpm at 1152 psi.</p> <p>2# of 20/40- 9.9 bpm at 1221 psi, on perfs 10.0 bpm at 1127 psi.</p> <p>3# of 20/40- 10.0 bpm at 1139 psi, on perfs 10.1 bpm at 1124 psi.</p> <p>4# of 20/40- 10.0 bpm at 1123 psi, on perf 10.0 bpm at 1113 psi.</p> <p>5# of 20/40- 10.0 bpm at 1091 psi, on perf 10.0 bpm at 1027 psi.</p> <p>Flush w/ gal. End wit h bpm at psi. Shut in w/ psi.</p> <p>Rdmo HES. Turn over to Flow back crew.</p> <p>ISDP 1080 psi, F.G. .77, Max Rate 10.1 bpm, Max Pres 1233 psi. Ave Rate 10.0 bpm. Ave Pres 1144 psi. Total Prop 42,600 lbs (6600lbs 100# mesh, and 36,000 lbs 20/40 white) Total Fluid 6229 gal 2%, 19,357 gal Hybor, BWTR 702 bbls.</p>
12:00	4.00	16:00	FBCK	Flowback Well	<p>Open well w/ 750 psi on 24/64" choke.</p> <p>Flowed 230 bbls in 4 hrs, Pressure steadily came down as did flow.</p> <p>Now flowing trickle of wtr with trace of oil and gas.</p> <p>Flow w/ 0 psi on 48/64" choke.</p>
16:00	2.00	18:00	RMOV	Rig Move	<p>Let well flow to FBT.</p> <p>Miru Wildcat Well Service. Set pipe racks and spot tbg. Ready to Rih w/ Tbg in am.</p> <p>Well down to 8 BPH of steady trickle of oil, wtr and gas.</p>
18:00	6.00	00:00	LOCL	Lock Wellhead & Secure	Well flowing about 4 BPH. Shut in and Secure well. Total Flow 240 bbls.

**8-6-45 BTR 8/25/2012 00:00 - 8/26/2012 00:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00	1.50	01:30	CTRL	Crew Travel	
01:30	1.00	02:30	BOPI	Install BOP's	
02:30	2.00	04:30	RUTB	Run Tubing	
04:30	1.00	05:30	IWHD	Install Wellhead	
05:30	1.00	06:30	SRIG	Rig Up/Down	

**8-6-45 BTR 8/27/2012 00:00 - 8/28/2012 00:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00	1.00	01:00	CTRL	Crew Travel	CREW TRAVEL HOLD SAFETY MEETING.
01:00	10.00	11:00	SWAB	Swab Well Down	<p>R/U DELSCO. SICP- 300. SITP- 50. MADE 21 RUNS TOTAL. BEGGING FLUID LEVEL 100. ENDING FLUID LEVEL 1800. PULLING F/ 3000'.</p> <p>BBL'S RECOVER TODAY 111. TOTAL BBL'S RECOVERED 166. ENDING SICP- 395. ENDING SITP- 0. SWIFN.</p>
11:00	13.00	00:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN. CREW TRAVEL.

**8-6-45 BTR 8/28/2012 00:00 - 8/29/2012 00:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00	1.00	01:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
01:00	10.00	11:00	SWAB	Swab Well Down	<p>R/U DELSCO SWAB UNIT. SICP- 620. SITP- 500. BLEED DOWN TBG. RIH, TAG @ 200'. WORK DOWN TO +/- 350'. POOH, VERY THICK OIL. R/U D&amp;M. FLUSH TBG W/ 20 BBL'S 240 DEG WATER. BLEED WELL OFF. MADE 17 RUNS TOTAL. BEGGING FLUID LEVEL SURFACE. ENDING FLUID LEVEL 1900. PULLING F/ 3000'.</p> <p>BBL'S RECOVERED TODAY 110. TOTAL BBL'S RECOVERED 276. ENDING SICP- 320. ENDING SITP- 0. SWIFN.</p>
11:00	13.00	00:00	CTRL	Crew Travel	WELL SHUT IN. CREW TRAVEL.

**8-6-45 BTR 8/29/2012 00:00 - 8/30/2012 00:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00	1.00	01:00	CTRL	Crew Travel	Crew Travel
01:00	9.00	10:00	SWAB	Swab Well Down	Sitp 500, Sicip 500. Blow down tbg and attempt to swab. Stack out at 300' on thick oil. Ru HOT an dfluxh tbg with 20 bbls hot wtr. Ru and Swab well. IFL 300'. FFL at 1000'. Made 15 runs today, Swabbed FL down to 1600', then FL came back up to 1000'. recovered 80 bbls wtr and bbls oil. (Swabbers reporting 80% oil cut. TLRT 80, TLR 596, BLTR 106. Caught samples and sent in to Multichem.
10:00	14.00	00:00	LOCL	Lock Wellhead & Secure	Well shut in and secure.

**8-6-45 BTR 8/30/2012 00:00 - 8/31/2012 00:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status COMPLETION	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00		00:00			RD Swab unit and move off.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626296
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 8-6-45 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1744 FNL 0827 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 06 Township: 04.0S Range: 05.0W Meridian: U		<b>9. API NUMBER:</b> 43013509000000
<b>PHONE NUMBER:</b> 303 312-8164 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. September 2012 monthly drilling activity report is attached.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> October 05, 2012		
<b>NAME (PLEASE PRINT)</b> Megan Finnegan	<b>PHONE NUMBER</b> 303 299-9949	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/2/2012	

**8-6-45 BTR 9/10/2012 00:00 - 9/11/2012 00:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status TESTING	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00	1.00	01:00	SMTG	Safety Meeting	HOLD SAFETY MEETING.
01:00	1.00	02:00	SRIG	Rig Up/Down	MIRU WILDCAT.
02:00	2.00	04:00	WKLL	Kill Well	R/U D & M. KILL WELL. N/D WELLHEAD. N/U BOP.
04:00	2.00	06:00	PULT	Pull Tubing	RIH, TAG PULG @ 3419'. POOH W/ TBG.
06:00	2.00	08:00	RUTB	Run Tubing	P/U BULL PLUG, 3 JTS 2-7/8 TBG, DESANDER, 4' TBG PUP, 1 JTS, SN, 1 JT & TAC. RIH W/ BHA. 97 JTS ABOVE TAC.
08:00	1.50	09:30	IWHD	Install Wellhead	N/D BOP. SET TAC @ 3135'. 20K TENSION. N/U WELLHEAD. R/U ROD EQUIPMENT. SDFN.
09:30	14.50	00:00	LOCL	Lock Wellhead & Secure	WELL SECURED. CREW TRAVEL.

**8-6-45 BTR 9/11/2012 00:00 - 9/12/2012 00:00**

API/UWI 43013509000000	State/Province UT	County Duchesne	Field Name Black Tail Ridge	Well Status TESTING	Total Depth (ftKB) 3,777.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
00:00	1.00	01:00	CTRL	Crew Travel	CREW TRAVEL.
01:00	5.00	06:00	RURP	Run Rods & Pump	P/U ROD PUMP & PRIME. RIH W/ PUMP P/U RODS. SPACE OUT & SEAT PUMP. TEST TO 500 PSI, HELD.  PUMP 25-175-RHAC-20-4021-24'. 125- 3/4" RODS. 4' x 7/8" PONY POLISH ROD.
06:00	1.50	07:30	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. ROAD RIG TO 5-8-45 BTR.
07:30	16.50	00:00	LOCL	Lock Wellhead & Secure	WELL SECURED.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626296
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> 8-6-45 BTR
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>9. API NUMBER:</b> 43013509000000
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1744 FNL 0827 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 06 Township: 04.0S Range: 05.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

No October 2012 monthly drilling activity to report.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 November 07, 2012

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/7/2012



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. 1420H626296	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator BILL BARRETT CORPORATION Contact: JULIE WEBB E-Mail: jwebb@billbarrettcorp.com		7. Unit or CA Agreement Name and No. UTU88569	
3. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		8. Lease Name and Well No. 8-6-45 BTR	
3a. Phone No. (include area code) Ph: 303-299-9949		9. API Well No. 43-013-50900	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENE 1744FNL 827FEL 40.164519 N Lat, 110.486483 W Lon At top prod interval reported below SENE 1771FNL 831FEL At total depth SENE 1780FNL 829FEL		10. Field and Pool, or Exploratory WILDCAT, ALTAMONT	
14. Date Spudded 06/01/2012		11. Sec., T., R., M., or Block and Survey or Area Sec 6 T4S R5W Mer UBM	
15. Date T.D. Reached 06/25/2012		12. County or Parish DUCHE SNE	
16. Date Completed <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod. 8-25-2012		13. State UT	
17. Elevations (DF, KB, RT, GL)* 5856 GL			
18. Total Depth: MD 3777 TVD 3776		19. Plug Back T.D.: MD 3724 TVD 3723	
20. Depth Bridge Plug Set: MD TVD			

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <input checked="" type="checkbox"/> CBL, <input checked="" type="checkbox"/> TRIPLE COMBO, <input checked="" type="checkbox"/> BOREHOLE, <input checked="" type="checkbox"/> MUD		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)	
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23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementor Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 COND	36.0	0	80	80			0	
12.250	9.625 J-55	36.0	0	2545	2530	635	357	0	
8.750	5.500 P-110	17.0	0	3777	3767	720	182	496	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	3323							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	3116	3596	3116 TO 3596	0.360	51	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3116 TO 3596	GREEN RIVER: SEE TREATMENT STAGES 1-2

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	RECEIVED NOV 29 2012 DIV. OF OIL, GAS & MINING
			→						

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	RECEIVED NOV 29 2012 DIV. OF OIL, GAS & MINING
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #161112 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
UNKNOWN

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Mcas. Depth
				GREEN RIVER MAHOGANY TD	2905 3574 3777

## 32. Additional remarks (include plugging procedure):

TOC was calculated by CBL. This well has not had first sales, so no test data is available. Well was completed on 8/25/2012, but has not gone to first sales. We will submit a new completion report once the well has had first sales. Treatment data is attached.

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other:     |                       |

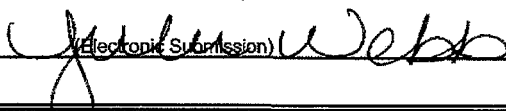
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #161112 Verified by the BLM Well Information System.  
For BILL BARRETT CORPORATION, sent to the Vernal

Name (please print) JULIE WEBB

Title PERMIT ANALYST

Signature

*(Electronic Submission)* 

Date 11/26/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

**8-6-45 BTR Completion Report Continued\***

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)					
AMOUNT AND TYPE OF MATERIAL					
<u>Stage</u>	<u>BBLs Slurry</u>	<u>lbs 100 Mesh Sand</u>	<u>lbs CRC Sand</u>	<u>lbs 20/40 White Sand</u>	<u>Gal HCL Acid</u>
1				6,000	12,000
2	748	6,600	36,000		

\*Depth intervals for frac information same as perforation record intervals.



**Bill Barrett Corporation**

## **Bill Barrett Corp. (II)**

**Duchesne Co., UT (NAD27)**

**Sec.6-T4S-R5W**

**#8-6-45 BTR**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**25 June, 2012**

**RECEIVED**

**NOV 29 2012**

**DIV. OF OIL, GAS & MINING**



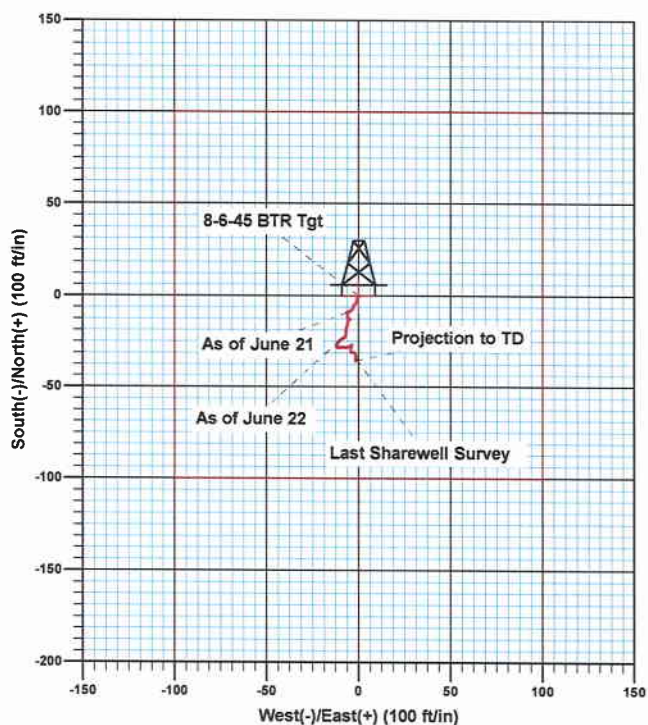
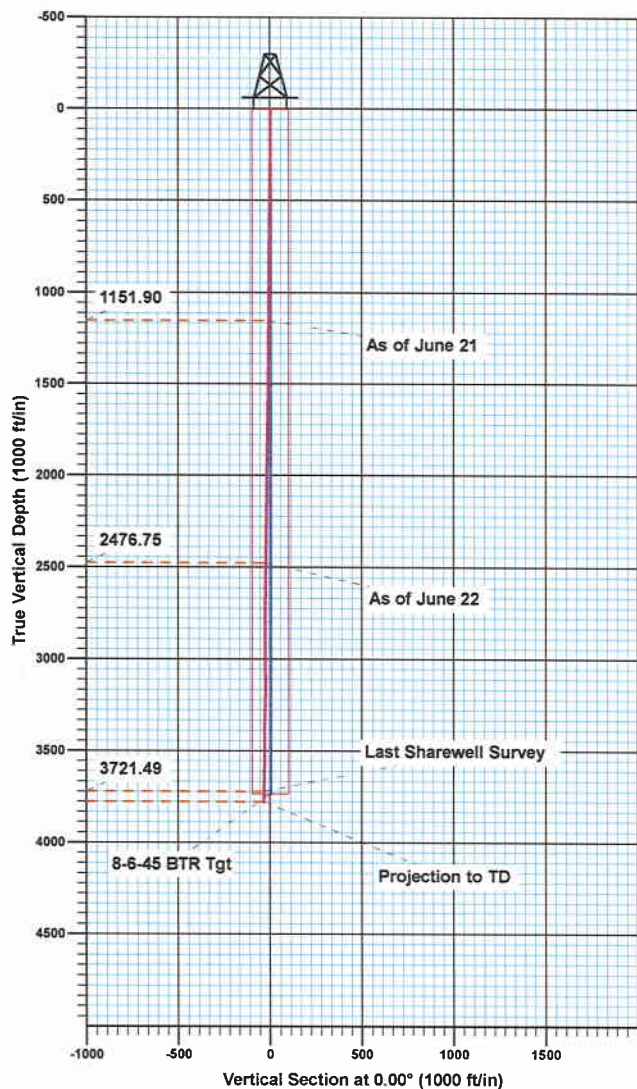
**Sharewell**



**Bill Barrett Corporation**

# #8-6-45 BTR

US State Plane 1927 (Exact solution)      Utah Central 4302  
 +N/-S   +E/-W   Northing   Easting   Latitude   Longitude  
 0.00   0.00   668593.89   2283443.29   40° 9' 52.42 N   110° 29' 8.78 W  
 Sec.6-T4S-R5W  
 WELL @ 5878.01ft



M Azimuths to True North  
 Magnetic North: 11.37°  
 Magnetic Field  
 Strength: 52172.2snT  
 Dip Angle: 65.79°  
 Date: 06/20/2012  
 Model: IGRF2010

## ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
1151.90	1152.00	0.500	117.00	-8.93	-6.22	-8.93	14.35	As of June 21
2476.75	2477.00	0.600	209.70	-24.18	-9.91	-24.18	34.92	As of June 22
3721.49	3722.00	1.400	182.30	-34.17	-1.54	-34.17	59.70	Last Sharewell Survey
3776.48	3777.00	1.400	182.30	-35.51	-1.59	-35.51	61.04	Projection to TD



Sharewell  
Survey Report



Company: Bill Barrett Corp. (II)  
Project: Duchesne Co., UT (NAD27)  
Site: Sec.6-T4S-R5W  
Well: #8-6-45 BTR  
Wellbore: Wellbore #1  
Design: Wellbore #1

Local Co-ordinate Reference: Well #8-6-45 BTR  
TVD Reference: WELL @ 5878.01ft  
MD Reference: WELL @ 5878.01ft  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: CompassVM

Project	Duchesne Co., UT (NAD27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	Sec.6-T4S-R5W				
Site Position:		Northing:	668,593.90 usft	Latitude:	40° 9' 52.42 N
From:	Lat/Long	Easting:	2,283,443.29 usft	Longitude:	110° 29' 8.78 W
Position Uncertainty:	0.00 ft	Slot Radius:	1.10 ft	Grid Convergence:	0.65 °

Well	#8-6-45 BTR					
Well Position	+N/-S	0.00 ft	Northing:	668,593.90 usft	Latitude:	40° 9' 52.42 N
	+E/-W	0.00 ft	Easting:	2,283,443.29 usft	Longitude:	110° 29' 8.78 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,856.01 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	06/20/12	11.37	65.79	52,172

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00		0.00

Survey Program	Date 06/25/12			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
127.00	3,777.00	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.00	0.500	304.60	127.00	0.31	-0.46	0.31	0.39	0.39	0.00
220.00	0.700	153.40	220.00	0.04	-0.54	0.04	1.25	0.22	-162.58
314.00	1.000	202.30	313.99	-1.24	-0.59	-1.24	0.80	0.32	52.02
407.00	0.000	336.90	406.98	-1.99	-0.90	-1.99	1.08	-1.08	0.00
499.00	1.000	178.90	498.98	-2.79	-0.88	-2.79	1.09	1.09	0.00
591.00	1.100	241.40	590.96	-4.01	-1.64	-4.01	1.19	0.11	67.93
683.00	1.000	186.00	682.95	-5.24	-2.50	-5.24	1.07	-0.11	-60.22
775.00	1.100	216.80	774.94	-6.74	-3.11	-6.74	0.62	0.11	33.48
867.00	1.000	233.20	866.92	-7.93	-4.29	-7.93	0.34	-0.11	17.83



**Company:** Bill Barrett Corp. (II)  
**Project:** Duchesne Co., UT (NAD27)  
**Site:** Sec.6-T4S-R5W  
**Well:** #8-6-45 BTR  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well #8-6-45 BTR  
**TVD Reference:** WELL @ 5878.01ft  
**MD Reference:** WELL @ 5878.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
962.00	0.800	245.30	961.91	-8.70	-5.55	-8.70	0.29	-0.21	12.74
1,057.00	0.300	298.60	1,056.91	-8.86	-6.37	-8.86	0.70	-0.53	56.11
1,152.00	0.500	117.00	1,151.90	-8.93	-6.22	-8.93	0.84	0.21	187.79
<b>As of June 21</b>									
1,245.00	0.800	175.10	1,244.90	-9.76	-5.81	-9.76	0.73	0.32	62.47
1,340.00	0.600	229.70	1,339.89	-10.74	-6.13	-10.74	0.70	-0.21	57.47
1,435.00	1.100	140.00	1,434.89	-11.76	-5.92	-11.76	1.32	0.53	-94.42
1,529.00	0.700	110.70	1,528.87	-12.66	-4.80	-12.66	0.64	-0.43	-31.17
1,624.00	0.300	289.30	1,623.87	-12.78	-4.50	-12.78	1.05	-0.42	188.00
1,718.00	1.000	244.70	1,717.87	-13.05	-5.47	-13.05	0.87	0.74	-47.45
1,813.00	1.700	171.60	1,812.85	-14.80	-6.01	-14.80	1.79	0.74	-76.95
1,908.00	0.600	225.50	1,907.83	-16.54	-6.16	-16.54	1.51	-1.16	56.74
2,003.00	1.500	189.40	2,002.81	-18.12	-6.72	-18.12	1.13	0.95	-38.00
2,098.00	0.400	165.70	2,097.80	-19.66	-6.84	-19.66	1.21	-1.16	-24.95
2,193.00	1.100	194.10	2,192.79	-20.87	-6.98	-20.87	0.81	0.74	29.89
2,287.00	0.600	191.70	2,286.78	-22.23	-7.30	-22.23	0.53	-0.53	-2.55
2,382.00	1.500	245.40	2,381.76	-23.23	-8.53	-23.23	1.31	0.95	56.53
2,477.00	0.600	209.70	2,476.75	-24.18	-9.91	-24.18	1.13	-0.95	-37.58
<b>As of June 22</b>									
2,597.00	1.100	224.20	2,596.73	-25.55	-11.02	-25.55	0.45	0.42	12.08
2,692.00	1.400	195.40	2,691.71	-27.33	-11.97	-27.33	0.72	0.32	-30.32
2,787.00	1.000	86.30	2,786.70	-28.39	-11.45	-28.39	2.07	-0.42	-114.84
2,882.00	1.800	84.40	2,881.67	-28.19	-9.14	-28.19	0.84	0.84	-2.00
2,977.00	1.100	108.30	2,976.64	-28.33	-6.79	-28.33	0.96	-0.74	25.16
3,072.00	1.800	50.20	3,071.61	-27.66	-4.77	-27.66	1.62	0.74	-61.16
3,167.00	0.100	347.80	3,166.60	-26.63	-3.65	-26.63	1.85	-1.79	-65.68
3,262.00	2.400	193.20	3,261.57	-28.48	-4.12	-28.48	2.62	2.42	-162.74
3,357.00	0.500	116.80	3,356.54	-30.61	-4.20	-30.61	2.46	-2.00	-80.42
3,453.00	0.400	104.40	3,452.54	-30.88	-3.50	-30.88	0.14	-0.10	-12.92
3,543.00	1.200	103.50	3,542.53	-31.18	-2.28	-31.18	0.89	0.89	-1.00
3,636.00	1.100	185.30	3,635.51	-32.29	-1.42	-32.29	1.62	-0.11	87.96
3,722.00	1.400	182.30	3,721.49	-34.17	-1.54	-34.17	0.36	0.35	-3.49
<b>Last Sharewell Survey</b>									
3,777.00	1.400	182.30	3,776.48	-35.51	-1.59	-35.51	0.00	0.00	0.00
<b>Projection to TD</b>									

**Survey Annotations**

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,152.00	1,151.90	-8.93	-6.22	As of June 21
2,477.00	2,476.75	-24.18	-9.91	As of June 22
3,722.00	3,721.49	-34.17	-1.54	Last Sharewell Survey
3,777.00	3,776.48	-35.51	-1.59	Projection to TD



**Sharewell**  
Survey Report



**Company:** Bill Barrett Corp. (II)  
**Project:** Duchesne Co., UT (NAD27)  
**Site:** Sec.6-T4S-R5W  
**Well:** #8-6-45 BTR  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well #8-6-45 BTR  
**TVD Reference:** WELL @ 5878.01ft  
**MD Reference:** WELL @ 5878.01ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** CompassVM

Checked By: _____	Approved By: _____	Date: _____
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**REVISED**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No. UTU88569	
2. Name of Operator BILL BARRETT CORPORATION		Contact: JULIE WEBB E-Mail: jwebb@billbarrettcorp.com	
3. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		3a. Phone No. (include area code) Ph: 303-299-9949	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENE 1744FNL 827FEL 40.164519 N Lat, 110.486483 W Lon At top prod interval reported below SENE 1771FNL 831FEL At total depth SENE 1780FNL 829FEL		8. Lease Name and Well No. 8-6-45 BTR	
14. Date Spudded 06/01/2012		15. Date T.D. Reached 06/25/2012	
16. Date Completed <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod.		9. API Well No. 43-013-50900	
18. Total Depth: MD 3777 TVD 3776		19. Plug Back T.D.: MD 3724 TVD 3723	
20. Depth Bridge Plug Set: MD TVD		10. Field and Pool, or Exploratory WILDCAT, ALTAMONT	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL, TRIPLE COMBO, BOREHOLE		11. Sec., T., R., M., or Block and Survey or Area Sec 6 T4S R5W Mer UBM	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)		12. County or Parish DUCHESNE	
23. Casing and Liner Record (Report all strings set in well)		13. State UT	
		17. Elevations (DF, KB, RT, GL)* 5856 GL	

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 COND	36.0	0	80	80			0	
12.250	9.625 J-55	36.0	0	2545	2530	635	357	0	
8.750	5.500 P-110	17.0	0	3777	3767	720	182	496	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	3323							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	3116	3596	3116 TO 3596	0.360	51	OPEN
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
3116 TO 3596	GREEN RIVER: SEE TREATMENT STAGES 1-2

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
								SOW	

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #161112 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
UNKNOWN

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GREEN RIVER MAHOGANY TD	2905 3574 3777

## 32. Additional remarks (include plugging procedure):

This well never reached first sales. BBC tried to flow it back with no luck, getting only trace oil and recovering frac water. The well was swabbed for days and put on pump to no avail. This well is currently shut in.

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other:      |                       |

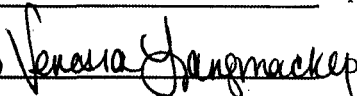
## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #161112 Verified by the BLM Well Information System.  
For BILL BARRETT CORPORATION, sent to the Vernal

Name (please print) Venessa LangmackerTitle Senior Permit Analyst

Signature

(Electronic Submission)

Date 03/15/2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420H626296
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>2. NAME OF OPERATOR:</b> BILL BARRETT CORP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th Street Ste 2300 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> 8-6-45 BTR
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1744 FNL 0827 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 06 Township: 04.0S Range: 05.0W Meridian: U		<b>9. API NUMBER:</b> 43013509000000
<b>PHONE NUMBER:</b> 303 312-8134 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>7/16/2014</b>	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS
	<input type="checkbox"/> CHANGE WELL STATUS
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
	<input type="checkbox"/> DEEPEN
	<input type="checkbox"/> FRACTURE TREAT
	<input checked="" type="checkbox"/> PLUG AND ABANDON
	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> SI TA STATUS EXTENSION
	<input type="checkbox"/> WATER SHUTOFF
	<input type="checkbox"/> WILDCAT WELL DETERMINATION
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached, please find procedures and cement tickets associated with the plug and abandonment of the 8-6-45 BTR wellbore which took place 7/15-16/2014.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 August 13, 2014

<b>NAME (PLEASE PRINT)</b> Brady Riley	<b>PHONE NUMBER</b> 303 312-8115	<b>TITLE</b> Permit Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/21/2014	



PERFORMANCE PROFESSIONALS™

P.O. Box 827 • Vernal, UT 84078  
Phone: (435) 789-1735

1st 7977

## JOB SUMMARY REPORT

Customer <i>Pennett</i>			Date <i>7-15-14</i>		Ticket Number	
Lease & Well Name <i>8-6-45-PTR</i>			Sec.	Twp.	Range	County <i>Mohead</i>
Job Type <i>Plug well</i>			Drilling Contractor			
Surface CSG Size	Wt./Grade	Thread	Depth From	To		
Inter CSG Size	Wt./Grade	Thread	Depth From	To		
Prod. CSG Size <i>5 1/2</i>	Wt./Grade <i>17</i>	Thread	Depth From	To		
Liner CSG Size	Wt./Grade	Thread	Depth From	To		
TBG or D.P. Size <i>2 7/8</i>	Wt./Grade <i>6.4</i>	Thread <i>8 round</i>	Depth From <i>0</i>	To <i>3070</i>		
<b>SKS</b>	<b>Materials Furnished</b>			<b>Slurry Wt. P.P.G.</b>	<b>Slurry Yield FT³</b>	<b>Water Gal./Sk.</b>
<i>125</i>	<i>Wash cement</i>			<i>15.8</i>	<i>1.15</i>	<i>5</i>

Float Equipment

Equipment &amp; Personnel

*Stave #152 w/ 1" 58, Rv. 11/3 - 7700-39*

Notes

*Run 125 SKS at 3070'*

*Run 4/5 SKS at 2630'*

*Run 55 SKS then pulls at 100' to surface*





P.O. Box 827 • Vernal, UT 84078  
Phone: (435) 789-1735

3045

**PERFORMANCE PROFESSIONALS™**

Date 7-15-14, 2014

For Brown

Lease 8-5-45-10TB

Rig No. \_\_\_\_\_

# JOB LOG

[illegible]

Operator S. J. [Signature]

Accepted and approved by \_\_\_\_\_



**08-6-45 BTR 7/14/2014 06:00 - 7/15/2014 06:00**

API 43-013-50900	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status SHUT IN	Total Depth (ftKB) 3,777.0	Primary Job Type Abandon Well
---------------------	------------------------	--------------------	--------------------------------	------------------------	-------------------------------	----------------------------------

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	TRAVEL
07:00	3.00	10:00	RMOV	Rig Move	MOVE IN
10:00	1.00	11:00	GOP	General Operations	R/U
11:00	4.00	15:00	PURP	Pull Rod Pump	UNSEAT PUMP UNABLE TO FLUSH POOH W/ 48 RODS FLUSH RODS W/ 35 BBLS POOH LAYING DOWN RODS & PUMP RIH W/ 48 RODS FLUSH W/ 30 BBLS POOH LAYING DOWN
15:00	2.00	17:00	BOPI	Install BOP's	RELEASE ANCHOR N/U BOP
17:00	3.00	20:00	PULT	Pull Tubing	POOH W/ TUBING FLUSH @ 1500' POOH LAY DOWN BHA
20:00	10.00	06:00	GOP	General Operations	DOWN TIL MORNING

**08-6-45 BTR 7/15/2014 06:00 - 7/16/2014 06:00**

API 43-013-50900	State/Province Utah	County Duchesne	Field Name Black Tail Ridge	Well Status SHUT IN	Total Depth (ftKB) 3,777.0	Primary Job Type Abandon Well
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	GOP	General Operations	TRAVEL
07:00	3.00	10:00	RUTB	Run Tubing	RIH W/ BRIDGE PLUG & 4 STANDS STACKING OUT POOH STAND BRIDGE PLUG BACK RIH W/ 15 STANDS CIRC WELL W/ 65 BBLS RIH W/ 15 MORE STANDS CIRC WELL W/ 80 BBLS POOH W/ TUBING P/U BRIDGE PLUG RIH TO 3070' TRY TO SET PLUG WONT SET PUMP 30 BBLS DOWN TUBING SET PLUG SHEER OFF PULL UP 6'
10:00	5.00	15:00	CEMT	Cement Squeeze	R/U CEMENT PUMP 25 SACK CEMENT ON TOP OF PLUG LAY DOWN 8 JTS ROLL HOLE W/ 95 BBLS INB. FLUID TEST CASING TO 500 PSI POOH TO 2650' SPOT 45 SACKS OF CEMENT POOH LAYING DOWN PIPE
15:00	1.00	16:00	CTUW	W/L Operation	R/U WIRELINE RIH TO 100' FILL HOLE SHOOT HOLES POOH R/D WIRELINE R/U CEMENTER PUMP 55 SACKS CEMENT DOWN 5 1/2 UP SUREFACE SHUT IN
16:00	2.00	18:00	GOP	General Operations	N/D BOP R/D DOWN
18:00	12.00	06:00	GOP	General Operations	DOWN TIL MORNING

Effective Date: 11/1/2016

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202	Rig II, LLC 1582 West 2600 South Woods Cross, UT 84087
CA Number(s):	Unit(s):

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 10/21/2016
3. New operator Division of Corporations Business Number: 8256968-0160

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD on: 10/21/2016
3. Reports current for Production/Disposition & Sundries: 11/2/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: 11/3/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: 11/3/2016
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): 11/3/2016

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000712
2. Indian well(s) covered by Bond Number: LPM 922467
3. State/fee well(s) covered by Bond Number(s): 9219529

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 11/7/2016
2. Entity Number(s) updated in **OGIS** on: 11/7/2016
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/7/2016
6. Surface Facilities update in **RBDMS** on: N/A

**COMMENTS:**

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	A
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	A
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	A
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	OW	APD
7-17D-46 BTR	17	040S	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
1-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
8H-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	OW	APD
LC TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	OW	APD
14-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	OW	APD
16-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
6-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	OW	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	OW	APD
LC TRIBAL 1H-33-46	33	040S	060W	4301351257		Indian	Fee	OW	APD
LC TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	OW	APD
LC TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
LC TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
LC TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
LC TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
LC TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
LC TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
LC TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
LC TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
LC TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
LC TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	OW	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
16-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	OW	APD
15-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420		Indian	Fee	OW	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
LC TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

14-12D-45 BTR	12	040S	050W	4301351444		Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445		Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446		Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450		Indian	State	OW	APD
LC TRIBAL 16-34D-46	34	040S	060W	4301351451		Indian	State	OW	APD
16-12D-45 BTR	12	040S	050W	4301351452		Indian	Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351453		Indian	Indian	OW	APD
LC TRIBAL 1-35D-46	35	040S	060W	4301351454		Indian	Fee	OW	APD
16-25D-37 BTR	25	030S	070W	4301351455		Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	28	040S	060W	4301351462		Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	030S	070W	4301351494		Indian	Fee	OW	APD
7-13D-45 BTR	13	040S	050W	4301351497		Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	040S	060W	4301351515		Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040S	060W	4301351543		Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598		Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030S	070W	4301351610		Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613		Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616		Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617		Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619		Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620		Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624		Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625		Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627		Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628		Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629		Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639		Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640		Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641		Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	080W	4301351643		Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644		Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	080W	4301351645		Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646		Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654		Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656		Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657		Indian	Fee	OW	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658		Indian	Fee	OW	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659		Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	040S	050W	4301351661		Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040S	060W	4301351663		Indian	Fee	OW	APD
3-29D-36 BTR	29	030S	060W	4301351665		Indian	Fee	OW	APD



From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
LC Tribal 5-24D-46	24	040S	060W	4301351668	Indian	Indian	OW	APD
LC TRIBAL 6-12D-58	12	050S	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
LC TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	030S	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	030S	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	030S	050W	4301351806	Indian	Fee	OW	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	030S	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	030S	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
LC Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
LC Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	030S	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	030S	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	030S	060W	4301351872	Indian	Fee	OW	APD
8-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
LC Tribal 5-36D-46	36	040S	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	040S	050W	4301352001	Indian	Indian	OW	APD
LC Tribal 8-22D-45	22	040S	050W	4301352002	Indian	Indian	OW	APD
LC Tribal 8-25D-45	25	040S	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	030S	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	OW	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	040S	070W	4301352055	Indian	Indian	OW	APD
LC Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	OW	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	040S	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	030S	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	030S	070W	4301352116	Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
LC Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
BTR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
4-29D-35 BTR	30	030S	050W	4301353060	Indian	Fee	OW	APD
1-30D-35 BTR	30	030S	050W	4301353061	Fee	Fee	OW	APD
LC TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	OW	APD
LC Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
LC Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
LC Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
LC Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
LC Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
LC Tribal 7-35D-45	35	040S	050W	4301353072	Indian	State	OW	APD
LC Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
LC Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
LC Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
LC Tribal 10-36D-45	36	040S	050W	4301353078	Indian	State	OW	APD
LC Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
LC Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
LC Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
LC Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
LC Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040S	050W	4301353123	Indian	Indian	OW	APD
LC Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	OW	APD
LC Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
LC Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
LC Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
LC Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
LC Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 7-24D-46	24	040S	060W	4301353134		Indian	Indian	OW	APD
LC Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
LC Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
LC FEE 14-26D-47	26	040S	070W	4301353294		Fee	Indian	OW	APD
LC Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
LC Fee 1H-33-47	32	040S	070W	4301353309		Fee	Indian	OW	APD
LC FEE 14-2D-58	2	050S	080W	4301353312		Fee	Indian	OW	APD
LC FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
LC Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
16-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
LC Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
LC Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
LC Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
LC Fee 5-35D-47	35	040S	070W	4301353334		Fee	Indian	OW	APD
13-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
14-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
6-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
5-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
5-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
9-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
5-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
1-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
7-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
LC TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
7-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
LC TRIBAL 12H-28-46	28	040S	060W	4301333631	18132	Indian	Indian	GW	P
LC TRIBAL 13H-21-46	21	040S	060W	4301333632	18107	Indian	Indian	GW	P
12-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
5-5-46 BTR	5	040S	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	030S	060W	4301333642	16675	Indian	Fee	GW	P
14-29-36 BTR	29	030S	060W	4301333643	16725	Indian	Fee	OW	P
14-30-36 BTR	30	030S	060W	4301333644	16701	Indian	Fee	GW	P
7-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	P
LC TRIBAL 5-21D-46	21	040S	060W	4301333658	18887	Indian	Indian	OW	P
5-20-46 DLB	20	040S	060W	4301333659	18750	Indian	Indian	GW	P
LC TRIBAL 13H-20-46	20	040S	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	040S	060W	4301333806	16890	Indian	Indian	GW	P
7-8-45 BTR	8	040S	050W	4301333820	16974	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	P
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	OW	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	P
5-25-36 BTR	25	030S	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	040S	050W	4301334089	17507	Indian	Indian	OW	P
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	OW	P
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	P
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	P
1-9-45 BTR	9	040S	050W	4301334101	17910	Indian	Indian	OW	P
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	OW	P
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	P
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	P
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	OW	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	OW	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	P
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	OW	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	P
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	OW	P
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	OW	P
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	OW	P
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	OW	P
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	P
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	P
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	P
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	P
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	P
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	P
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	P
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	P
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	P
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	P
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	P
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	P
7-26-37 BTR	26	030S	070W	4301350641	18131	Indian	Fee	OW	P
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	P
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	OW	P
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	P
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	P
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	P
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	P
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	P
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	P
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	OW	P
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	OW	P
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	P
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	P
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	P
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	P
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	P
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	P
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	OW	P
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	P
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	OW	P
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	P
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	OW	P
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	OW	P
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	P
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	P
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	P
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	P
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	P
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	P
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	P
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	P
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	P
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	P
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	P
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	040S	050W	4301351278	18627	Indian	Indian	OW	P
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	P
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	P

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	P
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	OW	P
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	OW	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	OW	P
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	OW	P
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	OW	P
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	P
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	OW	P
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	P
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	OW	P
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	P
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	P
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	OW	P
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	P
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	OW	P
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	P
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	OW	P
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	P
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	OW	P
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	OW	P
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	OW	P
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	OW	P
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	P
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	OW	P
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	030S	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030S	060W	4301334133	17834	Indian	Fee	OW	S
1-30-36 BTR	30	030S	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	030S	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	030S	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S



From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040S	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	030S	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D-36	27	030S	060W	4301350917	18482	Indian	State	OW	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	OW	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA



October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD form changing the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

**New Operator Contact information:**

RIG II, LLC  
1582 West 2600 South  
Woods Cross, Utah 84087-0298  
Telephone: (801) 683-4245  
Fax: (801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley  
Permit Analyst

**RECEIVED**  
OCT 21 2016  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:  
(see attached well list)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

N/A

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
(see attached well list)

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

RIG II, LLC

N4055

3. ADDRESS OF OPERATOR:

1582 West 2600 South

CITY Wood Cross

STATE UT

ZIP 84087

PHONE NUMBER:

(801) 683-4245

4. LOCATION OF WELL

FOOTAGES AT SURFACE: (see attached well list)

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

11/1/2016

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO RIG II, LLC BY BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

RIG II, LLC

1582 West 2600 South

Woods Cross, Utah 84087-0298

801-683-4245

(STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670)

BILL BARRETT CORPORATION N4165

Duane Zavala

NAME (PLEASE PRINT)

Duane Zavala

SIGNATURE

Senior Vice President -

EH&S, Government and Regulatory Affairs

RIG II, LLC

Jesse McSwain

NAME (PLEASE PRINT)

Jesse McSwain

SIGNATURE

Manager

NAME (PLEASE PRINT) Jesse McSwain

TITLE Manager

SIGNATURE

Jesse McSwain

DATE

10/20/16

(This space for State use only)

APPROVED

NOV 07 2016

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**Request to Transfer Application or Permit to Drill**

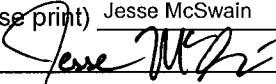
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	(See attached list)
<b>API number:</b>	
<b>Location:</b>	Qtr-Qtr:                      Section:                      Township:                      Range:
<b>Company that filed original application:</b>	Bill Barrett Corporation
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	Bill Barrett Corporation

Check one	Desired Action:
	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <small>9219529-LUDGM / UTB000712-BLM / LPM9224670-BIA</small>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Jesse McSwain Title Manager  
Signature  Date 10/20/16  
Representing (company name) RIG II, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

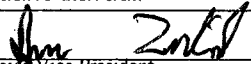
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

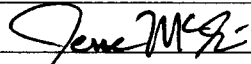
Well Name and Number <b>6-32-36 BTR SWD</b>	API Number <b>4301350921</b>
Location of Well  Footage : <b>1628 FNL 1553 FWL</b> County : <b>DUCHENSE</b>  QQ, Section, Township, Range: <b>SENW    32    3S    6W</b> State : <b>UTAH</b>	Field or Unit Name <b>CEDAR RIM</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016

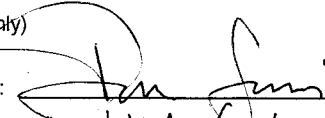
**CURRENT OPERATOR**

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadii</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Title: <u>EH&amp;S, Government and Regulatory Affairs</u>
Comments:	Date: <u>10/20/16</u>

**NEW OPERATOR**

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by:   
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

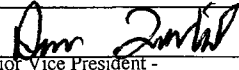
TRANSFER OF AUTHORITY TO INJECT

Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

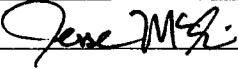
CURRENT OPERATOR

Company: BILL BARRETT CORPORATION  
Address: 1099 18th Street Ste 2300  
city DENVER state CO zip 80202  
Phone: (303) 293-9100  
Comments:

Name: Duane Zavadii  
Signature:   
Senior Vice President -  
Title: EH&S, Government and Regulatory Affairs  
Date: 10/20/16

NEW OPERATOR

Company: RIG II, LLC  
Address: 1582 West 2600 South  
city Wood Cross state UT zip 84087  
Phone: (801) 683-4245  
Comments:

Name: Jesse McSwain  
Signature:   
Title: Manager  
Date: 10/20/16

(This space for State use only)

Transfer approved by: 

Title: VIC

Approval Date: 11/3/16

Comments:



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

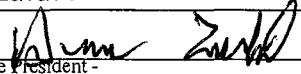
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

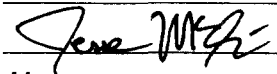
Well Name and Number <b>SWD 9-36 BTR</b>	API Number <b>4301350646</b>
Location of Well  Footage : <b>0539 FSL 0704 FEL</b>  County : <b>DUCHESNE</b>  QQ, Section, Township, Range: <b>SESE 9 3S 6W</b>  State : <b>UTAH</b>	Field or Unit Name <b>CEDAR RIM</b>  Lease Designation and Number <b>2OG0005608</b>

**EFFECTIVE DATE OF TRANSFER:** 11/1/2016

**CURRENT OPERATOR**

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadi</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President - EH&amp;S, Government and Regulatory Affairs</u>
Phone: <u>(303) 293-9100</u>	Date: <u>10/20/16</u>
Comments:	

**NEW OPERATOR**

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: \_\_\_\_\_ Approval Date: \_\_\_\_\_

Title: \_\_\_\_\_

Comments:

*This well was approved by USEPA.  
EPA approval will be required.*